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TORONTO, SATURDAY, APRIL 21st, 1984

MAY 8, 1984

Proclamation

(Great Seal of Ontario)

JOHN B. AIRD

PROVINCE OF ONTARIO

ELIZABETH THE SECOND, by the Grace of God of the United Kingdom, Canada and Her other Realms and Territories, Queen, Head of the Commonwealth, Defender of the Faith.

TO ALL TO WHOM THESE PRESENTS SHALL COME,

GREETING:

PROCLAMATION

WHEREAS by an Act passed at the Third Session of the Thirty-second Legislature of Ontario convened on the eighteenth day of April, 1983 intituled "Environmental Protection Amendment Act, 1983" and being Chapter 52, Statutes of Ontario, 1983, it is enacted thereof that the said Act shall come into force on a day to be named by Proclamation of the Lieutenant Governor;

AND WHEREAS by Proclamations dated the 8th day of December, 1983, and the 12th day of January, 1984, the said Act, except sections 12 to 14 and subsections 23 (2), (3) and (4) has been proclaimed in force;

AND WHEREAS section 24 of the said Act repeals subsection 137 (3) of the "Environmental Protection Act" and substitutes a new provision therefore;

AND WHEREAS subsection 137 (4) of the "Environmental Protection Act" provides that subsection 137 (3) of the said Act does not come into force until a day to be named by Proclamation of the Lieutenant Governor;

AND WHEREAS it appears expedient that a Proclamation should now issue bringing those provisions of the "Environmental Protection Amendment Act, 1983" remaining unproclaimed, into force and bringing into force subsection 137 (3) of the "Environmental Protection Act";

NOW THEREFORE KNOW YE that, having taken the premises into Our Royal consideration, We, by and with the advice of Our Executive Council of Ontario and in the exercise of the power in US vested in this behalf by the said Act or otherwise howsoever, Do, by this Our Royal PROCLAMATION;

Hereby confirm the Proclamations bringing the provisions of the "Environmental Protection Amendment Act, 1983", except sections 12 to 14 and except subsections 23 (2), (3) and (4) into force, and

Hereby name Sunday the 4th day of March, 1984, as the day on which sections 12 to 14 and subsections 23 (2), (3) and (4) of the "Environmental Protection Amendment Act, 1983", and subsection 137 (3) of the "Environmental Protection Act" as amended by section 24 of the "Environmental Protection Amendment Act, 1983", come into force.

IN TESTIMONY WHEREOF We have caused these Our Letters to be made patent and the Great Seal of Our Province of Ontario to be hereunto affixed.

WITNESS:

THE HONOURABLE JOHN BLACK AIRD, An Officer of the Order of Canada, One of Her Majesty's Counsel Learned in the Law, Bachelor of Arts, Doctor of Laws, LIEUTENANT GOVERNOR OF OUR PROVINCE OF ONTARIO,

at Our City of Toronto in Our said Province this first day of March, in the year of Our Lord one thousand nine hundred and eighty-four and in the thirty-third year of Our Reign.

BY COMMAND

GEORGE ASHE,
(4544) 16 Minister of Government Services.

The above Proclamation replaces the Proclamation intituled "Environmental Protection Amendment Act, 1983" published in the March 24th, 1984 issue of THE ONTARIO GAZETTE, Vol. 117-12.

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Notice of Public Meetings—M.T.C.

REGARDING SIMPLIFICATION OF TRUCKING LICENCES ISSUED UNDER THE AUTHORITY OF THE ONTARIO PUBLIC COMMERCIAL VEHICLES ACT

Responsible Trucking, the final report of the Public Commercial Vehicles Act Review Committee, issued in June, 1983, recommended new directions for the economic regulation of trucking Ontario. The report, the result of two years of deliberations by the PCV Act Review Committee, outlined a framework for for-hire trucking that will provide flexibility for the providers of transportation in responding to the needs of shippers of goods.

This NOTICE is to advise that, as recommended in Responsible Trucking, the Ministry of Transportation and Communications has established a Licence Rewrite Commission to develop guidelines for a new licensing structure for trucking in Ontario. The preliminary recommendations of the Licence Rewrite Commission for new licence specifications, and a system to convert present PCV licence language to the new system have been prepared.

I have directed the commission to take its recommendations to public meetings throughout the province to seek comment. The terms of reference for such meetings are the following:

1. Hold public meetings throughout the province in order to provide information and seek comment on their recommendations for licence specifications and the conversion of present PCV licences to the new system.
2. Report on the results of the public meetings and present their final recommendations to me by the 25th day of June, 1984.

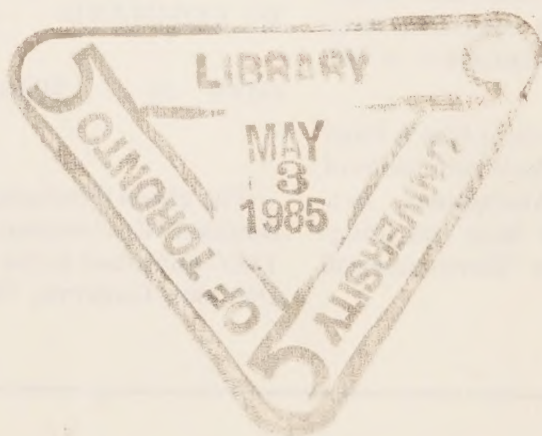
The Licence Rewrite Commission will hold its public meetings in accordance with the following schedule:

DATE	CITY	LOCATION
May 29/84	Thunder Bay	Red Oak Inn, 555 West Arthur St.
May 30	Timmins	Ramada Inn, 1800 Riverside Dr.
May 31	Sudbury	The Senator, 390 Elgin St.
June 5	Ottawa	Sheraton El Mirador, 480 Metcalfe St.
June 6	Kingston	Ramada Inn, 1 Johnson St.
June 7	Hamilton	Holiday Inn, 150 King St. E.
June 8	Chatham	Wheels Inn, 615 Richmond St.
June 12, 13	Toronto	Cara Inn, 6257 Airport Rd.

All hearings will be conducted from 2:00 p.m. to 5:00 p.m., and 7:30 p.m. to 10:00 p.m.

The commission is forwarding by mail, during the week of April 23-27, 1984, copies of its recommendations to all Public Commercial Vehicle operators on record with the Ministry as at March 30, 1984, and to all persons, groups, associations, or organizations who were recipients of Responsible Trucking. Those persons who are not on either of these mailing lists who wish to receive a copy of the commission's recommendations may do so by telephoning (416) 248-7481.

The mail-out material will include full explanations on the commission's recommendations along with further information on the public meetings.



JAMES SNOW
Minister of Transportation
and Communications

Ontario Highway Transport Board Act

The following applications for operating licences under the *Public Commercial Vehicles Act*, R.S.O. 1980, Chapter 407, the *Motor Vehicle Transport Act*, R.S.C. 1970, Chapter M-14 and the *Public Vehicles Act*, R.S.O. 1980, Chapter 425, are published pursuant to Section 8, R.R.O. 1980, Regulation 716.

Section 8, R.R.O. 1980, Regulation 716 provides that the Board may dispose of these applications summarily if no objection is served and filed in the prescribed manner within twenty-nine days of this publication.

Some of these applications will require a public hearing. Members of the public and counsel may speak to the dates and locations for such hearings on Thursday, the 24th day of May, 1984 at the Board's Chambers, Britannica House, 151 Bloor Street West, 10th Floor, Toronto, Ontario, at 4.00 p.m.

Persons unable to attend may speak to these matters by writing or telephoning Mrs. C. I. Davila, Secretary, at (416) 965-1845.

McGillivray & Sons Contractors Limited, 36667-A
112 Kehl Street,
Kitchener, Ontario N2M 3T9,

applies for a Class 'K' public commercial vehicle operating licence, as follows:

"For the transportation of heavy-duty machinery, boilers, transformers and similar equipment that require special loading devices and cannot be carried on a standard truck, trailer or semi-trailer, for Baure Machinery, Division of 122939 Canada Limited".

Freightmaster Limited, 18932-U
2981 Kennedy Road,
P.O. Box 306,
Agincourt, Ontario M1S 3C4,

applies for an extension to Class 'D' privileges on Class 'A' public commercial vehicle operating licence A-245, as follows:

- "1. For the carriage of goods for Stratton Carpet Industries Limited, to or from its installations at Ajax and Pickering;
2. For the carriage of goods for Wyant and Company Limited and P.H.A. Industries Limited, to or from their installations at Metropolitan Toronto and Pickering".

Donald Earl Van Every, 31694-D
30 Olive Street,
Grimsby, Ontario L3M 2B8,

applies for an extension to Class 'D' public commercial vehicle operating licence D-4763, as follows:

Delete:

"For the transportation of travel trailers (not exceeding 8' 6" in width or 35 feet in length) and tent trailers to or from points within the Regional Municipalities of Niagara and Hamilton-Wentworth.

PROVIDED that the licensee be restricted to the use of two commercial motor vehicles; and to the transportation of one travel trailer only attached to each motor vehicle on any one trip.

PROVIDED FURTHER that all movements herein authorized shall commence or terminate at points in that portion of the Province of Ontario lying in or south of the Districts of Muskoka and Haliburton and in or west of the Counties of Hastings and Prince Edward".

Substitute:

"For the transportation of travel, camping and tent trailers to or from points within the Regional Municipalities of Niagara and Hamilton-Wentworth.

PROVIDED that the licensee be restricted to two commercial motor vehicles; and to the transportation of one travel or camp trailer only attached to each motor vehicle on any one trip.

PROVIDED FURTHER that all movements herein authorized shall commence or terminate at points in that portion of the Province of Ontario lying in or south of the Districts of Muskoka and Haliburton and in or west of the Counties of Hastings and Prince Edward".

Brytor International Limited, 21484-B
P.O. Box 1024,
124 Walnut Street South,
Hamilton, Ontario L8N 3R4,

applies for an extra-provincial operating licence, as follows:

"For the carriage of:

- (i) uncrated new and used household furniture, appliances and personal effects of a householder that are part of the contents of the dwelling in which they are to be used, and used vehicles, including used motorized snow vehicles, owned by the householder and being moved as part of and in conjunction with the movement of the said householder's goods;
- (ii) uncrated used office, store and commercial establishment furniture, equipment and crated or uncrated stock in trade of the office, store and commercial establishment in which such furniture, equipment and stock in trade are to be used;
- (iii) uncrated new furniture and equipment that are to be part of the furnishings of offices, museums, hospitals, factories and public institutions in which they are to be used; and
- (iv) objects of art, displays, exhibits and computers and similar electronic devices that, because of their fragile or unusual nature or value require specialized handling;

that can be carried on a standard truck, trailer or semi-trailer equipped with pads, belts, hooks, wardrobes and special packing containers and which do not require special loading devices other than powered tail-gates.

1. from points in the Province of Ontario to the Ontario-Quebec border for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island and New-

- foundland and from the Ontario-Quebec border by shipment from points in the said Provinces, to points in the Province of Ontario;
2. from points in the Province of Ontario to the Ontario-Manitoba border, for furtherance to points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia and the Northwest and Yukon Territories and from the Ontario-Manitoba border by shipment from points in the said Provinces and Territories, to points in the Province of Ontario;
 3. from points in the Province of Ontario to the international boundary, for furtherance to points in the United States of America and from the international boundary by shipment, from points in the United States of America to points in the Province of Ontario;
 4. from or to all points at the international boundary, the Ontario-Manitoba and the Ontario-Quebec borders, for movement in transit through the Province of Ontario with no pick-up or discharge privileges;
 5. from points in the Province of Ontario to the international boundary, for furtherance in transit through the United States of America, to points in the Provinces of Manitoba, Saskatchewan, Alberta and British Columbia and the Yukon and Northwest Territories and from the international boundary by shipment from points in the said Provinces and Territories, in transit through the United States of America to points in the Province of Ontario;
 6. from points in the Province of Ontario to the international boundary, for furtherance in transit through the United States of America to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Newfoundland and Prince Edward Island and from the international boundary by shipment, from points in the said Provinces, in transit through the United States of America, to points in the Province of Ontario";

21484-C

also applies for an extension to Class 'H' public commercial vehicle operating licence H-370, as follows:

Delete the following:

"For the carriage of:

- (i) uncrated new and used household furniture, appliances and personal effects of a householder that are part of the contents of the dwelling in which they are to be used;
- (ii) uncrated used office, store and commercial establishment furniture, equipment and crated or uncrated stock in trade of the office, store and commercial establishment in which such furniture, equipment and stock in trade are to be used;
- (iii) uncrated new furniture and equipment that are to be part of the furnishings of offices, museums, hospitals, factories and public institutions in which they are to be used; and
- (iv) objects of art, displays, exhibits and computers and similar electronic devices that, because of

their fragile or unusual nature or value require specialized handling;

that can be carried on a standard truck, trailer or semi-trailer equipped with pads, belts, hooks, wardrobes and special packing containers and which do not require special loading devices other than powered tail-gates,

from points in the Province of Ontario to the installation of Brytor International Limited at Hamilton when the said articles are for furtherance by shipment to points overseas and from points overseas for furtherance from the installation at Brytor International Limited at Hamilton to points in the Province of Ontario.

PROVIDED there be no movement to or from any point north of North Bay on King's Highway No. 11 and all present or future highways connecting with King's Highway No. 11 north of its intersection with King's Highway No. 17 near North Bay".

And substitute therefor:

"For the carriage of:

- (i) uncrated new and used household furniture, appliances and personal effects of a householder that are part of the contents of the dwelling in which they are to be used, and used vehicles, including used motorized snow vehicles, owned by the householder and being moved as part of and in conjunction with the movement of the said householder's goods;
- (ii) uncrated used office, store and commercial establishment furniture, equipment and crated or uncrated stock in trade of the office, store and commercial establishment in which such furniture, equipment and stock in trade are to be used;
- (iii) uncrated new furniture and equipment that are to be part of the furnishings of offices, museums, hospitals, factories and public institutions in which they are to be used; and
- (iv) objects of art, displays, exhibits and computers and similar electronic devices that, because of their fragile or unusual nature or value require specialized handling;

that can be carried on a standard truck, trailer or semi-trailer equipped with pads, belts, hooks, wardrobes and special packing containers and which do not require special loading devices other than powered tail-gates, from points in the Province of Ontario to the installation of Brytor International Limited, when the said articles are for furtherance by shipment to points overseas and from points overseas for furtherance from the installation at Brytor International Limited to points in the Province of Ontario".

**Border City Horse
Transportation Inc.,**
R.R. #1,
Box 127,
Amherstburg, Ontario N9V 2Y7,

36551

applies for an extra-provincial operating licence, as follows:

"For the carriage of horses from points in the Province of Ontario to the international boundary for further-

ance to points in the United States of America and by shipment from points in the United States of America from the international boundary to points in the Province of Ontario”;

36551-A

also applies for a Class ‘D’ public commercial vehicle operating licence, as follows:

“For the carriage of horses”.

Robert Duncan Lahey, **36708**
1326 Highbury Avenue,
London, Ontario N4Y 4W9,

applies for a Class ‘D’ public commercial vehicle operating licence, as follows:

“For the carriage of goods, for Superior Metal Finishing Ltd., to or from its installation at the City of London”.

Patrick Julien Timony, **36694**
82 Notre Dame West,
Noelville, Ontario P0M 2N0,

applies for the transfer of a Class ‘R’ public commercial vehicle operating licence R-7883, now in the name of Rejean Rochon, P.O. Box 217, Noelville, Ontario P0M 2N0.

Gordon Frederick Churchill, **36613**
Pine Street,
Sunderland, Ontario L0C 1H0,

applies for the transfer of a Class ‘R’ public commercial vehicle operating licence R-7846, now in the name of Christopher Mark Campbell, R.R. #2, Whitby, Ontario L1N 5R5.

George Albert Patrick, **36695**
R.R. #1,
P.O. Box 96,
Lefroy, Ontario L0L 1W0,

applies for the transfer of a Class ‘R’ public commercial vehicle operating licence R-7124, now in the name of Fred Wilkins, P.O. Box 1015, Roberts Road, R.R. #2, Stroud, Ontario L0L 2M0.

Frank Pate, **36684**
164 Southworth Street North,
Welland, Ontario L3B 1Z5,

applies for the transfer of a Class ‘R’ public commercial vehicle operating licence R-1862, now in the names of K. Glen Tanner and Reta Elizabeth Caroline Tanner, Box 353, Hanover, Ontario N4N 3H6.

Argosy Trucking Ltd., **34245-B**
150 Oak Point Road,
Winnipeg, Manitoba R2R 1T8,

applies for an extension to extra-provincial operating licence X-3239, as follows:

1. Delete the following:

“For the carriage of rough lumber and rolled paper for Boise Cascade Canada Ltd., from its installations in the District of Kenora:

- (a) to the Ontario-Manitoba border in transit only through the Province of Manitoba for furtherance to points in the United States of America and for the return of rejected ship-

ments from the Ontario-Manitoba border to the installations of Boise Cascade Canada Ltd., in the District of Kenora.

- (b) to the international boundary at Rainy River for furtherance to points in the United States of America and for the return of rejected shipments from the international boundary at Rainy River to the installations of Boise Cascade Canada Ltd., in the District of Kenora.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate expires on the thirty-first day of January, 1986, unless prior to that date complementary authorities as issued by the Interstate Commerce Commission of the United States of America and the Manitoba Motor Transport Board of the Province of Manitoba are filed with the Ontario Highway Transport Board”.

And substitute therefor:

“For the carriage of goods for Boise Cascade Canada Ltd. from its installations in the Districts of Kenora and Rainy River:

- (a) to the international boundary at Rainy River for furtherance to points in the United States of America and by shipment from points in the United States of America from the international boundary at Rainy River to its installations in the Districts of Kenora and Rainy River;
- (b) to the Ontario-Manitoba border at West Hawk Lake in transit through the Province of Manitoba for furtherance to points in the United States of America and by shipment from points in the United States of America in transit through the Province of Manitoba from the Ontario-Manitoba border to its installations in the Districts of Kenora and Rainy River.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authorities as issued by the Interstate Commerce Commission of the United States of America No. MC-159203 Sub 1, dated May 31, 1983 and the Manitoba Motor Transport Board, dated November 30, 1983, filed with the Ontario Highway Transport Board”.

2. For the carriage of edible products in vehicles equipped with mechanical temperature controls, for Export Packers Co. Ltd. by shipment from points in the United States of America from the international border at the St. Clair, Detroit and Niagara Rivers to the installations of the said company at Mississauga and for the return of rejected shipments”;

34245-C

also applies for a Class ‘D’ public commercial vehicle operating licence, as follows:

“For the carriage of goods for Boise Cascade Canada Ltd. between its installations in the Districts of Kenora and Rainy River”.

T.A. Collins Transport Limited, 12116-M
36 Covington Street,
Stoney Creek, Ontario L8E 2Y5,

applies for an extension to Class 'A' public commercial vehicle operating licence A-79, as follows:

Delete:

"For the carriage of goods between Hamilton, Brampton and Metropolitan Toronto, via King's Highways Nos. 2 and 10.

Alternate route:

King's Highways Nos. 403 and the Queen Elizabeth Way with no pick up or delivery of goods on the said highways.

"Metropolitan Toronto" shall include:

- (a) that part of the Town of Vaughan, bounded on the west by Highway No. 400, on the north by Sherwood Road (also known as Carrville Road), on the east by Keele Street running south to Langstaff Road and by Dufferin Street running south from Langstaff Road;
- (b) that part of the Town of Markham bounded on the north by Carrville Road (also known as 16th Avenue) running east from the easterly boundary of Richmond Hill and on the east by Kennedy Road;
- (c) the Town of Ajax and that part of the Town of Pickering on and south of King's Highway No. 7.

PROVIDED that:

- 1. the licensee be restricted against the use of tank vehicles or other equipment specially designed or constructed for the movement of commodities in bulk;
- 2. there be no movement of goods to or from Richmond Hill and Whitchurch-Stouffville unless previously authorized;
- 3. there be no shipment exceeding 1360 kilograms from the installation of Domtar Construction & Materials Ltd., and/or Canada Brick Division of Martin-Marietta (Canada) Ltd., at Mississauga, Brampton and Vaughan unless previously authorized;
- 4. there be no movement of goods which originate at Metropolitan Toronto or Mississauga destined to Brampton or goods originating at Brampton destined to Mississauga or Metropolitan Toronto".

Substitute:

"For the carriage of goods between the City of Hamilton and Metropolitan Toronto, Mississauga, Brampton, Vaughan, Markham, Ajax, Pickering via the Queen Elizabeth Way, the MacDonald-Cartier Freeway (401) and King's Highways 2, 5 and 403".

Charles E. Reed, 36703
P.O. Box 547,
Franklin, Tennessee
37064 U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of dressed poultry for Wayne Poultry, a Division of Continental Grain Company, by

shipment from points in the United States of America, from the international boundary, to points in Ontario and for the return of rejected shipments.

PROVIDED that the dressed poultry carried are exempt from the Regulation by the Interstate Commerce Commission as indicated in Section 203 (b) (6) of the *Interstate Commerce Act* now modified under United States Code Title 49 as of July 1st, 1980".

Middup Moving and Storage
(1979) Limited, 33100-B
341 Steelcase Road West,
Markham, Ontario L3R 3W1,

applies for the transfer of shares as follows:

100 common shares of the capital stock of the Company from Keymove International Inc., to Mr. Robert Walton, 153 Olive Street, Holland Landing, Ontario, and William Lunney, 171 Hilltop Street, Holland Landing, Ontario.

Pat Lawlor, 36674
R.R. #2,
Orillia, Ontario L3V 6N2,

applies for the transfer of a Class 'R' public commercial vehicle operating licence R-0864, now in the name of Irwin R. Smith, 395 Mississauga Street West, Orillia, Ontario L3V 3C4.

Luxury Limousine Service Inc., 35618-A
(Subsidiary Luxury Airport Service),
P.O. Box 3503,
Cambridge, Ontario N3H 5C6,

applies for a public vehicle operating licence, as follows:

"For the carriage of passengers and express freight between points in the Regional Municipality of Waterloo on the one hand and the Lester B. Pearson International Airport in Mississauga on the other hand.

PROVIDED such passengers and express freight have had or will have an immediately prior or subsequent move by air".

St. George Transportation Ltd., 36586
4938 Still Creek Avenue (Burnaby),
Vancouver, British Columbia V5C 4E4,

applies for an extra-provincial operating licence, as follows:

"For the carriage of:

- (i) uncrated new and used household furniture, appliances and personal effects of a householder that are part of the contents of the dwelling in which they are to be used, and used vehicles, including used motorized snow vehicles, owned by the householder and being moved as part of and in conjunction with the movement of the said householder's goods;
- (ii) uncrated used office, store and commercial establishment furniture, equipment and crated or uncrated stock in trade of the office, store and commercial establishment in which such furniture, equipment and stock in trade are to be used;

- (iii) uncrated new furniture and equipment that are to be part of the furnishings of offices, museums, hospitals, factories and public institutions in which they are to be used; and
- (iv) objects of art, displays, exhibits and computers and similar electronic devices that, because of their fragile or unusual nature or value require specialized handling;

that can be carried on a standard truck, trailer or semi-trailer equipped with pads, belts, hooks, wardrobes and special packing containers and which do not require special loading devices other than powered tail-gates,

1. by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, the Northwest and Yukon Territories, from the Ontario-Manitoba border, to points in the Province of Ontario and from points in the Province of Ontario to the Ontario-Manitoba border, for furtherance to points in the said Provinces and Territories;
2. by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, the Northwest and the Yukon Territories, in transit through the United States of America, from the international boundary, to points in the Province of Ontario and from points in the Province of Ontario to the international boundary, for furtherance to points in the said Provinces and Territories;
3. from points in Ontario, to the international boundary and the Ontario-Quebec border, for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland and by shipment from such points, from the said international boundary and the said border to points in Ontario;
4. from or to all points at the international boundary, the Ontario-Manitoba and the Ontario-Quebec borders, for movement in transit through the Province of Ontario with no pick-up or discharge privileges,

for interprovincial traffic only.

PROVIDED FURTHER that the licensee does not establish or maintain a place of business in other than the Province where it was located at the date of the issue of the first licence hereunder.

A place of business is any place at/or from which a person operates in or for the furtherance of the business of this licensee and for which that person receives remuneration of any kind, directly or indirectly, from the licensee".

W.F. & W.D. Scott Limited, 13661-T
(o/a Valley View Stock Farms
Livestock Transport),
P.O. Box 327,
Campbellford, Ontario K0L 1L0,

applies for an extension to extra-provincial operating licence X-3138, as follows:

"For the carriage of hogs for the Ontario Pork Producers Marketing Board, from assembly yards in Picton,

the Village of Madoc, Campbellford, the City of Peterborough, the Town of Lindsay, the Township of Whitchurch-Stouffville and Metropolitan Toronto to the international boundary, for furtherance to points in the United States of America".

Easy Movers (Sarnia) Limited, 29372-C
738 Hillary Street,
Sarnia, Ontario N7T 7T8,

applies for an extension to Class 'D' public commercial vehicle operating licence D-2118, as follows:

"For the carriage of goods for Imperial Oil Limited to or from their installations at the City of Sarnia.

PROVIDED that the licensee shall not be permitted to carry either raw materials used or consumed in the manufacture of finished goods or finished goods manufactured by Imperial Oil Limited.

PROVIDED FURTHER that the licensee be restricted to commercial motor vehicles with a gross vehicle weight not exceeding 12,000 kilograms".

Also applies for Class 'H' privileges, as follows:

"(a) between points in the County of Lambton;

(b) to or from the City of Sarnia and the Township of Sarnia.

PROVIDED that return shipments be permitted between points intermediate to the terminus of the outbound load, including the termination point and the authorized point of origin".

Leyson Trucking Ltd., 35815-A
R.R. #3,
Burford, Ontario N0E 1A0,

applies for an extra-provincial operating licence, as follows:

"For the carriage of livestock feed and feed ingredients, for Feed Ingredients Limited, from its installation at a place known as Princeton, in the Township of Blandford-Blenheim to the Ontario-Quebec border for furtherance to points in the Province of Quebec and by shipment from points in the Province of Quebec from the Ontario-Quebec border to the aforementioned installation";

35815-B

also applies for an extension to Class 'D' public commercial vehicle operating licence D-5197, as follows:

"For the carriage of livestock feed and feed ingredients, for Feed Ingredients Limited to or from its installation at a place known as Princeton, in the Township of Blandford-Blenheim".

Metro Transfer Services Limited, 31911-C
41 Research Road,
Toronto, Ontario M5G 2G8,

applies for a Class 'A' public commercial vehicle operating licence, as follows:

"For the carriage of goods between Metropolitan Toronto, Mississauga, Brampton, Vaughan, Markham, Ajax and Pickering".

C Mile Transport Ltd.,
P.O. Box 578,
100 Mile House,
British Columbia V0K 2E0,

36316

applies for an extra-provincial operating licence, as follows:

"For the carriage of:

- A. 1. plywood and lumber, for Weldwood of Canada Ltd.;
2. prefabricated log homes and ancillary parts related thereto, for the Original Log Homes Ltd.;
3. lumber products, for Lignum Sales Ltd. and Ainsworth Weiers Lumber Sales Ltd.,

by shipment from points in the Province of British Columbia from the Ontario-Manitoba border to points in the Province of Ontario and from points in the Province of Ontario to the Ontario-Manitoba border for furtherance to points in the Province of British Columbia;

- B. 1. animal feed, for Ralston Purina of Canada Inc.;
2. animal feed and barbed wire, for 100 Mile Feed & Ranch Supply Ltd.;
3. steel fencing and dog food for Cariboo Feeds Ltd.,

from points in the Province of Ontario to the Ontario-Manitoba border for furtherance to points in the Province of British Columbia and by shipment from points in the Province of British Columbia from the Ontario-Manitoba border to points in the Province of Ontario".

Vernal Hoover Walker,
(o/a Walker Ways Charter Service),
4420 North Hintz Road,
Owosso, Michigan
48867 U.S.A.,

36721

applies for an extra-provincial operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons from points in the United States of America, from the international boundary to points in Ontario and from such points on the same chartered trip, without pick-up or discharge of passengers in Ontario to point of origin.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC 167687, dated October 12, 1983, filed with the Ontario Highway Transport Board".

Bruce R. Smith Limited,
R.R. #2,
Simcoe, Ontario N3Y 4K1,

10508-X

applies for an extension to Class 'D' privileges on Class 'C' public commercial vehicle operating licence C-1022, as follows:

Delete the following:

"(d) goods for Carnation Limited of Aylmer excluding whole milk and cream;"

And substitute therefor:

"(d) goods for Carnation Inc. excluding whole milk and cream".

A.J. (Archie) Goodale Limited, 09132-K
2559 Barton Street East,
Hamilton, Ontario L8E 2X2,

applies for an extension to extra-provincial operating licence X-1728, as follows:

Delete the following:

A. "PROVIDED FURTHER that any extension to extra-provincial operating licence X-1728 issued pursuant to this certificate shall expire on the 1st day of April, 1984, unless prior to that date complementary authorities as issued by the Boards and/or Commissions of the Provinces of Prince Edward Island and Newfoundland are filed with the Ontario Highway Transport Board.

B. PROVIDED FURTHER that any extension to extra-provincial operating licence X-1728 issued pursuant to this certificate shall expire on the 1st day of April, 1984, unless prior to this date complementary authority as issued by the Interstate Commerce Commission of the United States of America is filed with the Ontario Highway Transport Board.

C. AND PROVIDED FURTHER that any operating licence issued pursuant to this extension shall expire on the 1st day of June, 1984, unless prior to that date complementary authority as issued by the Interstate Commerce Commission of the United States of America is filed with the Ontario Highway Transport Board".

And substitute therefor:

A. "PROVIDED FURTHER that any extension to extra-provincial operating licence X-1728 issued pursuant to this certificate shall expire on the 1st day of April, 1985, unless prior to that date complementary authorities as issued by the Boards and/or Commissions of the Provinces of Prince Edward Island and Newfoundland are filed with the Ontario Highway Transport Board.

B. PROVIDED FURTHER that any extension to extra-provincial operating licence X-1728 issued pursuant to this certificate shall expire on the 1st day of April, 1985, unless prior to this date complementary authority as issued by the Interstate Commerce Commission of the United States of America is filed with the Ontario Highway Transport Board.

C. AND PROVIDED FURTHER that any operating licence issued pursuant to this extension shall expire on the 1st day of June, 1985, unless prior to that date complementary authority as issued by the Interstate Commerce Commission of the United States of America is filed with the Ontario Highway Transport Board".

Ph. Lanctot & Fils Transport
Ltee., 36706
 Rang St-Pierre Nord,
 St-Constant,
 Cte Laprairie, Quebec J0L 1X0.

applies for an extra-provincial operating licence, as follows:

"For the carriage of bricks for Quickspan Inc., from Longueuil, Quebec from the Ontario-Quebec border to points in the Province of Ontario and for the return of rejected shipments.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Quebec Transport Commission Number M-300446-008, dated May 5, 1980, filed with the Ontario Highway Transport Board".

David George Rogerson, 28205-B
 Alma, Ontario N0B 1A0,

applies for an extra-provincial operating licence, as follows:

"For the carriage of hogs for the Ontario Pork Producers' Marketing Board from their assembly yard at the Village of Arthur to the international boundary at the Detroit and St. Clair Rivers for furtherance to points in the United States of America".

This replaces entry which appeared in THE ONTARIO GAZETTE of April 7, 1984.

Howatt Bros. Ltd., 36709
 R.R. #1,
 Belgrave, Ontario N0G 1E0,

applies for the transfer of a Class 'FS' public commercial vehicle operating licence FS-939, now in the name of Verne Bean, R.R. #5, Goderich, Ontario N7A 3Y2.

Westcon Terminals Limited, 36711
 2800 Vancouver Centre,
 Box 11506,
 650 West Georgia Street,
 Vancouver, British Columbia V6B 4B7,

applies for the transfer of a Class 'A' public commercial vehicle operating licence A-656, now in the name of Day Cartage Limited, 5425 Dixie Road, Mississauga, Ontario L4W 1E6.

Mann Construction Limited, 16430-C
 R.R. #5,
 Guelph, Ontario N1H 6J2,

applies for the transfer of a Class 'R' public commercial vehicle operating licence R-7149, now in the name of Robert John Gulliford, Jr., R.R. #2, Nanticoke, Ontario N0A 1L0.

Dick Holmes Enterprises
Limited, 36720
 Box 248,
 Vermilion Bay, Ontario P0V 2V0,

applies for the transfer of a public vehicle (school bus) operating licence PVS-4826, now in the name of Dick Holmes Limited, R.R. #1, Vermilion Bay, Ontario P0V 2V0.

Dale Heideman Trucking Ltd., 36722
 R.R. #2,
 Eganville, Ontario K0J 1T0,

applies for the transfer of an extra-provincial operating licence X-2453, now in the name of Blaskie Trucking Limited, R.R. #4, Pembroke, Ontario K8A 6W5;

36722-A

also applies for the transfer of a Class 'F' public commercial vehicle operating licence F-28984, now in the name of Blaskie Trucking Limited, R.R. #4, Pembroke, Ontario K8A 6W5.

Hastings Cold Storage
Limited, 36712
 380 Coleman Street,
 Belleville, Ontario K8P 3J4,

applies for the transfer of a Class 'C' public commercial vehicle operating licence C-188, now in the name of Brian David Cooke, 185 Front Street, Stirling, Ontario K0K 3E0.

Tippett-Richardson Limited, 01469-O
 79 East Don Roadway,
 Toronto, Ontario M4W 3J8,

applies for an extension to Class 'H' public commercial vehicle operating licence H-97, as follows:

"By adding:

'Oakville' "

So that as amended the operating licence will read as follows:

"PROVIDED that the licensee does not establish or maintain a place of business at any point other than the Cities of Ottawa, Kitchener, Waterloo, North Bay and Stratford, the Towns of Trenton, Pembroke and Oakville and Metropolitan Toronto, or at a point within a 10-mile radius thereof.

A place of business is any place at/or from which a person operates in or for the furtherance of the business of this licensee and for which that person receives remuneration of any kind, directly or indirectly, from the licensee".

Harry O. Down, 36647
 (o/a Select Delivery Service),
 333 Meadows Boulevard,
 Unit 53,
 Mississauga, Ontario L4Z 1G9,

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of goods for Morris National Sales Inc. and J.R. Enterprises (Ont.) Ltd. from their respective installations in Mississauga to Metropolitan Toronto, Brampton, Markham, Vaughan, Ajax and Pickering and for the return of rejected shipments".

K & H & Quickfall Limited, 27287-E
 101 Water Street,
 Box 248,
 St. Jacobs, Ontario N0B 1N0,

applies for an extra-provincial operating licence, as follows:

"For the carriage of hogs for the Ontario Pork Producers' Marketing Board, from K & H & Quickfall Limited's facilities at Lot 10, Concession GCT, in the Township of Woolwich, to the international boundary for furtherance to points in the United States of America";

27287-F

also applies for an extension to Class 'F' privileges on Class 'C' public commercial vehicle operating licence C-970, as follows:

Delete the following:

"stocker and feeder cattle"

And substitute therefor:

"livestock"

So that as amended the relevant portion of the operating licence will read as follows:

"For the carriage of livestock, to and from a 15-mile radius of the intersection of Regional Roads No. 10 and 15, at a place known as St. Clements, in the Regional Municipality of Waterloo".

Mel Hall Transport Limited, 00980-O
501 Third Street,
London, Ontario N5V 2C1,

applies for an extension to Class 'D' privileges on Class 'C' public commercial vehicle operating licence C-1376, as follows:

"For the carriage of goods for Tencorr Packaging Inc. to or from its installation in Metropolitan Toronto".

Roddick Transport Limited, 24185-Q
R.R. #3,
Wyoming, Ontario N0N 1T0,

applies for an extension to Class 'D' privileges on Class 'C' public commercial vehicle operating licence C-776, as follows:

"For the carriage of goods for Inwood Seed and Grain Ltd. to or from its installations in the Township of Brooke".

353522 Ontario Limited, 28952-C
(o/a Prestige Warehouses),
60 Bancroft Street,
Hamilton, Ontario L8E 2W5,

applies for an extension to Class 'D' public commercial vehicle operating licence D-4434, as follows:

By adding:

"(d) Pro Distribution Services, a division of Pro-Traffic Services Ltd."

So that amended the relevant portion of the operating licence, will read as follows:

"For the carriage of:

1. goods, from Prestige Warehouses, in the City of Hamilton, for and on behalf of:
 - (a) Church & Dwight Ltd.,
 - (b) Bartek Chemical Co. Ltd.,
 - (c) Lawneil Sales Ltd.,
 - (d) Pro Distribution Services, a division of Pro-Traffic Services Ltd.,

to the Cities of Nanticoke, Kitchener, Waterloo, Niagara Falls, Burlington, Brantford, Welland, St. Catharines and the Towns of Dundas, Stoney Creek and Oakville and for the return of empty drums, pallets or rejected shipments.

PROVIDED the licensee be restricted to commercial motor vehicles not designed or constructed to haul trailers or semi-trailers".

Bianco Travel & Tours Inc., 36510
1010 South Military,
Dearborn, Michigan,
48124 U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from points in the United States of America, from the international boundary to points in Ontario and from such points on the same chartered trip, without pick-up or discharge of passengers in Ontario, to point of origin.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC 163916, dated January 6, 1983, filed with the Ontario Highway Transport Board".

Anderson & Kemp Enterprises Inc., 34996-B
552 Upper Queen Street,
London, Ontario N6C 3T9,

applies for an extra-provincial operating licence, as follows:

"For the carriage of used automobile parts, from Automotive Recyclers in the Province of Ontario to the Ontario-Quebec border for furtherance to Automotive Recyclers in the Province of Quebec and by shipment from Automotive Recyclers in the Province of Quebec from the Ontario-Quebec border to Automotive Recyclers in the Province of Ontario".

Keena Truck Leasing and Transport Limited, 35058-D
7511 Middlebrook Street,
Mississauga, Ontario L4T 3S1,

applies for an extension to extra-provincial operating licence X-3119, as follows:

"For the carriage of goods for McBlento Importing Inc., O'Hoppe Limited, Gold-Pak Meats a Division of Steinberg Inc., Snyder Furniture Limited and Exeter Produce & Storage Co. Ltd.,

- (a) from points in Ontario to the Ontario-Manitoba border at or near West Hawk Lake for furtherance to points in the Provinces of Manitoba, Saskatchewan, Alberta and British Columbia and by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta and British Columbia from the Ontario-Manitoba border at or near West Hawk Lake to points in Ontario;

- (b) from points in Ontario to the international boundary for furtherance to points in the United States of America and by shipment from points in the United States of America from the international boundary to points in Ontario”.

Boldrick Bus Service Limited, 36070-A
R.R. #2,
Tweed, Ontario K0K 3J0,

applies for a public vehicle (school bus) operating licence, as follows:

“For the carriage of pupils for the Northumberland and Newcastle Board of Education and the Hastings-Prince Edward County Roman Catholic Separate School board between points in the Townships of Murray, Brighton, Thurlow, Ameliasburgh, Hillier, Sidney and the following schools: Murray Centennial at Lot 9, Con. One in the Township of Murray, Sacred Heart in the Township of Sidney, St. Peter’s, St. Mary’s and Trenton Christian in Trenton, Nicholson Catholic College, Our Lady of Fatima, St. Michael’s Academy, George Vanier and St. Joseph’s in Belleville.

PROVIDED that charter privileges be restricted to school purposes and only for schools under the jurisdiction of the aforesaid School Boards”.

Bumstead Trucking Ltd., 32488-D
R.R. #1,
New Liskeard, Ontario P0J 1P0,

applies for a Class ‘D’ public commercial vehicle operating licence with Class ‘F’ and Class ‘FS’ privileges, as follows:

“For the carriage of:

- (1) feed, seed and fertilizer for and on behalf of:
 - (a) Cochrane Farmers Co-operative, to its installations at places known as Matheson, Monteith and Moonbeam and the Town of Cochrane, all in the District of Cochrane;
 - (b) La Co-operative Agricole de Val Gagne, to its installations at a place known as Val Gagne, in the Township of Black River-Matheson.
- (2) feed, seed, fertilizer and supplies for use in the operation and maintenance of farms only:
 - (a) for and on behalf of Co-operative Regionals de Nipissing-Sud to its installations at places known as Verner, Lavigne, Field, Noelville, St. Charles and Sturgeon Falls;
 - (b) to the installation of United Co-operatives of Ontario at Powassan to Powassan branch only.

PROVIDED there be no movement from branches of the United Co-operatives of Ontario situated at the Town of Kemptville and/or Alliston.

- (c) for United Co-operatives of Ontario to or from its installation at New Liskeard.
- (3) rough and dressed lumber:
 - (a) for the United Co-operatives of Ontario from places known as Calstock, Chapleau, Elk

Lake, Hearst and Timmins to the installation of the said co-operative at Ilderton, Ailsa Craig, Forest, Guelph and Lindsay;

- (b) from Liskeard Lumber Limited and Grant and Wilson Lumber Ltd., to or from their respective installations at Elk Lake, in the Township of James;

- (4) goods for John Laffin, operating under the firm name and style of “Laffin Farm Equipment” at the Village of Thornloe from points in the Counties of Northumberland and Middlesex and the Regional Municipalities of Hamilton-Wentworth and Waterloo to points in the District of Timiskaming and Cochrane and for the return of rejected shipments.

EXTENSION GRANTED—For the carriage of goods, to or from the installation of United Co-operatives of Ontario at a place known as Earleton, in the District of Timiskaming.

CLASS ‘FS’ PRIVILEGE—For the carriage of livestock, feed, seed, fertilizer and supplies for use in the operation and maintenance of farms only, to or from farms within an 8-mile radius of a place known as Earlton, in the Township of Armstrong.

CLASS ‘F’ PRIVILEGE—For the carriage of:

- (1) livestock to or from points within an area of 25 miles on either side of King’s Highway No. 11 between the Town of Latchford and a place known as Moonbeam, in the Township of Fauquier;
- (2) livestock between Uxbridge and Toronto;
- (3) livestock for Co-operatives Reginale de Nipissing-Sudbury Limited between farms and the installations of the said co-operatives at Verner, Noelville, St. Charles, Field and Sturgeon Falls.

PROVIDED that these terms be deleted from Class ‘C’ public commercial vehicle operating licence C-1102, now in the name of Alexander Simon Fraser Wright”.

QWYX Reservations International
Limited, 36403-A
640 Dixon Road,
Rexdale, Ontario M9W 1J1,

applies for a public vehicle operating licence, as follows:

“For the carriage of passengers who have had or will have an immediately prior or subsequent move by air between the installations of QWYX Reservations International Limited at 640 Dixon Road and the Skyline Toronto Convention Hotel and Executive Tower a Division of York-Hanover Hotels Ltd. at 655 Dixon Road both in the City of Etobicoke on the one hand and the Lester B. Pearson International Airport on the other hand.

PROVIDED the licensee be restricted to four public vehicles with a maximum seating capacity of eleven passengers exclusive of the driver and one public vehicle with a maximum seating capacity of twenty passengers exclusive of the driver.

PROVIDED FURTHER that charter trips be prohibited”.

Earl Joseph Wright,
R.R. #5,
Orillia, Ontario L3V 6H4,

36710

applies for the transfer of a Class 'R' public commercial vehicle operating licence R-3313, now in the name of Alvin George Adams, R.R. #1, Kirkfield, Ontario K0M 2B0.

Hugo A. Heredia,
154 Maria Street,
Toronto, Ontario M6P 1W4,

36734

applies for the transfer of a Class 'R' public commercial vehicle operating licence R-3623, now in the name of Gregorio Garabedian, 380 Dixon Road, #607, Weston, Ontario M9R 1T3.

Mr. John Amsing,
(o/a John Amsing Cartage),
P.O. Box 26,
Avonmore, Ontario K0C 1C0,

36730

applies for the transfer of a Class 'R' public commercial vehicle operating licence R-1021, now in the name of Donald Emard, 425 Hilbert Ave., Cornwall, Ontario K6H 5R6.

502858 Ontario Limited,
(Div. Ottawa Towing Service),
1475 Triole Street,
Ottawa, Ontario K1B 3S4,

36715

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of office trailers, construction trailers, utility trailers, portable, sectional and modular structures normally made by the mobile home industry, and other trailers for office and storage purposes, to or from points in the Regional Municipality of Ottawa-Carleton".

Robert John Wilson,
(o/a Port Elgin Construction Co.),
Box 343,
Port Elgin, Ontario N0H 2C0,

36731

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of houses, modular homes, trailers and barns, between points in the United Counties of Bruce, Grey and Huron".

Wausau Carriers, Inc.,
P.O. Box 398,
Wausau, Wisconsin,
54401 U.S.A.,

36732

applies for an extra-provincial operating licence, as follows:

"For the carriage of goods by shipment from the facilities of Timbco Hydraulics, Inc. in the State of Wisconsin, from the international boundary to points in the Province of Ontario and from points in the Province of Ontario, to the international boundary to the facilities of Timbco Hydraulics, Inc., in the State of Wisconsin.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in

conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC-165668 Sub 1, dated August 22nd, 1983, filed with the Ontario Highway Transport Board".

C. I. DAVILA (MRS.),
(4554) 16 Secretary.

NOTICE

The following applications for certificates under the *Motor Vehicle Transport Act* (Canada), R.S.C. 1970, Chapter M-14 are published pursuant to Section 8, Regulation 716, R.R.O. 1980. Regulation 716 provides that the Board may dispose of these applications summarily if no objection is served and filed in the prescribed manner within twenty-nine days of this publication.

The following persons and/or companies apply for an extra-provincial operating licence (Class Y) authorizing the licensee to transport goods in transit only, in bond between points in the United States of America, as authorized thereby, moving in bond in transit through Ontario, between the international boundary at the Detroit or St. Clair Rivers on the one hand and the Niagara River on the other hand via specified highways:

Constable Transport Limited, 07196-A6
P.O. Box 248,
Thorold, Ontario L2V 3Y9.

C. I. DAVILA (MRS.),
(4555) 16 Secretary.

The following applications for approval of tariff of tolls, having been referred to the Ontario Highway Transport Board pursuant to Section 11 of the *Public Vehicles Act*, R.S.O. 1980, Chapter 425, will be heard by the Board at its Chambers, Britannica House, 151 Bloor Street West, 10th Floor, Toronto, Ontario, on Friday, the 11th day of May, 1984 at 9.00 a.m. (E.D.S.T.).

The Board shall entertain representations by any persons presenting themselves at the time and place hereinbefore described.

For greater particularity the new tariff of tolls may be seen by the public at the Ontario Highway Transport Board's Chambers, Britannica House, 151 Bloor Street West, 10th Floor, Toronto, Ontario, or at any office of the applicants.

Travelways Maple Leaf Ltd.
Parkinson Coach Lines Limited
Travelways School Transit Ltd.
Voyageur Colonial Limited
Sherwood Transportation Incorporated
John Pahic
Renfrew County Bus Lines Limited
The Canada Coach Lines Limited
Gray Coach Lines Limited

C. I. DAVILA (MRS.),
(4556) 16 Secretary.

Vide Gazette dated March 24, 1984 on page 1306, Vol. 117-12.

Notice re: **United Trails Inc.,** 24686-A25
1230 Victoria Street North,
Kitchener, Ontario N2B 3E2.

Delete the following (in substitution portion):

“1st day of March, 1984”

And substitute therefor: (in substitution portion)

"1st day of March, 1985".

(4557) 16 C. I. DAVILA (MRS.),
Secretary.

NOTICE IS HEREBY GIVEN that a certificate of incorporation under the *Business Corporations Act*, has been endorsed.

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
A G V TECH INC.	510556	Mar. 28, 1984	Sudbury
A. AAMS INC.	510552	Mar. 23, 1984	Elliot Lake
A. DICARLO GENERAL CONTRACTOR INCORPORATED	582388	Mar. 30, 1984	Etobicoke
ABINITIO STORES OF CANADA LTD.	582141	Mar. 27, 1984	Downsview
ADVANCED NETWORK TECHNOLOGY CORP.	582321	Mar. 29, 1984	Pickering
AFFINITY PRODUCTIONS LIMITED	579790	Mar. 26, 1984	Toronto
AGS MASONRY CO. INC.	582417	Mar. 30, 1984	Woodbridge
AIDA ENGINEERING (CANADA) INC.	582244	Mar. 28, 1984	Mississauga
ALCOS MACHINERY INC.	582259	Mar. 29, 1984	Willowdale
ALGOMA WINGS (1984) LTD.	582131	Mar. 27, 1984	Elliot Lake
ALMAD INVESTMENTS LIMITED	582474	Mar. 30, 1984	Scarborough
ALSAM INDUSTRIAL COATINGS LIMITED ..	579673	Mar. 28, 1984	Cambridge
ALTERNATIVE MARKETING INC.	582153	Mar. 28, 1984	Toronto
ALTONA HIGHLANDS ESTATES LIMITED ...	582007	Mar. 26, 1984	Scarborough
AMDEC BUSINESS OPPORTUNITY CENTRE INC.	582180	Mar. 28, 1984	Scarborough
AMERSHAM CANADA LIMITED	582030	Mar. 26, 1984	Oakville
ANANKE CORPORATION	582339	Mar. 29, 1984	Toronto
APO-BIOTICS INC.	582025	Mar. 26, 1984	Weston
APPLEGATE INVESTMENTS INC.	580950	Mar. 20, 1984	Hamilton
ARCOT PIZZA TOWN INC.	582239	Mar. 28, 1984	Willowdale
ARCTIC LINERS MANUFACTURING LTD. ...	582120	Mar. 27, 1984	Toronto
ARIES INVESTMENTS LTD.	582052	Mar. 26, 1984	Halton Hills
B. K. K. HIGH TECK CORPORATION	582245	Mar. 28, 1984	Fort Erie
B.K. CUSTOMIZING LIMITED	581846	Mar. 26, 1984	Guelph
B.M.W. PROPERTIES LIMITED	582164	Mar. 28, 1984	Mississauga
B&M GIBBONS HOLDINGS LTD.	581867	Mar. 27, 1984	Kitchener
BAACO PIZZA (METRO ONT.) LTD	561682	Mar. 27, 1984	Ottawa
BAACO PIZZA (N.E. ONT) LTD	561678	Mar. 27, 1984	Ottawa
BAACO PIZZA (N.W. ONT) LTD.....	561677	Mar. 27, 1984	Ottawa
BAACO PIZZA (S. ONT) LTD	561675	Mar. 27, 1984	Ottawa

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
BALLAST ELECTRIC INC.	582329	Mar. 29, 1984	North York
BARMOND (CANADA) INC.	582119	Mar. 27, 1984	Toronto
BAZIL DEVELOPMENTS INC.	582179	Mar. 28, 1984	Markham
BEAVER-DELTA MACHINERY CORP.	582446	Mar. 30, 1984	Toronto
BECKETT ENTERPRISES INC.	582416	Mar. 30, 1984	Kitchener
BELHAMPTON HOLDINGS LIMITED	580969	Mar. 21, 1984	Stayner
BIG BOY FRUIT MARKET (1984) LIMITED ...	582191	Mar. 28, 1984	Toronto
BILL & TOM KEMPTON CONSTRUCTION LTD.	582251	Mar. 28, 1984	Ripley
BILL HUTCHISON HOMES LIMITED	582147	Mar. 27, 1984	Fonthill
BLACKSTONE SHARPENING LIMITED	582169	Mar. 28, 1984	Mississauga
BLenheim CONTAINER COMPANY LIMITED	582199	Mar. 28, 1984	Blenheim
BOOTH DRIVER SERVICES INC.	582098	Mar. 27, 1984	Simcoe
BRAMRIO INTERNATIONAL INC.	582107	Mar. 27, 1984	Downsview
BRIDGESPAN LTD.	582014	Mar. 26, 1984	Toronto
BROSORTS INTERNATIONAL INC.	582354	Mar. 29, 1984	Toronto
BRUCE MORTON AND ASSOCIATES LTD. ...	582264	Mar. 29, 1984	Bradford
BRULOR INVESTMENTS LIMITED	580855	Mar. 28, 1984	Whitby
BRUNNER-FLEET PRODUCTS INC.	581783	Mar. 23, 1984	Niagara Falls
BULPIT LAKE FAMILY CAMP INC.	582310	Mar. 29, 1984	Willowdale
BUNS-4-U BAKE SHOP LTD.	581851	Mar. 26, 1984	Rockwood
C. CAMPBELL MANUFACTURING INDUSTRIES LTD.	582209	Mar. 28, 1984	Mississauga
CAMVEST LTD.	580835	Mar. 28, 1984	Ottawa
CANACO INDUSTRIES LTD.	581829	Mar. 23, 1984	Scarborough
CANADA WON-DOOR INCORPORATED	582428	Mar. 30, 1984	Kitchener
CANADEx ENG INC.	582097	Mar. 27, 1984	Cornwall
CAPSTAN BUSINESS SYSTEMS LIMITED	581823	Mar. 23, 1984	Oakville
CARBOTEK INC.	580834	Mar. 26, 1984	Hillsburgh
CARLETON HOME MAINTENANCE LTD. ...	561691	Mar. 29, 1984	Ottawa
CARRINGTON'S GLASS & TRUSS INC.	510554	Mar. 26, 1984	Sudbury
CAVIAR FOODS LTD.	582312	Mar. 29, 1984	Concord
CECCARELLI INVESTMENTS LTD.	582294	Mar. 29, 1984	Brampton
CFORCE COMPUTER STORE INC.	581870	Mar. 27, 1984	Sault Ste. Marie
CHARLES MARSH REAL ESTATE (1984) LTD	510555	Mar. 27, 1984	Sudbury
CHARTERHOUSE KITCHENS LIMITED	571441	Mar. 27, 1984	London
CHRIS POWELL LANDSCAPING LTD.	581453	Mar. 30, 1984	Toronto
CHUN-HAN MANAGEMENT CONSULTING LTD.	582064	Mar. 27, 1984	Toronto
CLAN OF THE CAVE BEAR PRODUCTIONS LTD.	582101	Mar. 27, 1984	Toronto
CLARENCE AUTOSPORT LIMITED	582139	Mar. 27, 1984	Brampton
CLARK GARDEN SUPPLIES LIMITED	564127	Mar. 27, 1984	Millbrook
COLAND ENTERPRISES LTD.	582398	Mar. 30, 1984	Scarborough
COLEV CORPORATION	582042	Mar. 26, 1984	Toronto
COLLECTOR GRADE PUBLICATIONS INCORPORATED	581773	Mar. 23, 1984	Toronto
COMPUSTOCK SOFTWARE HOUSE LTD.	580991	Mar. 22, 1984	Thunder Bay
CONCEPT DEVELOPMENT ASSOCIATES INC.	581775	Mar. 23, 1984	Toronto
CONCEPT III INC.	582369	Mar. 30, 1984	Mississauga
CONCORD MARKETING CORPORATION	571424	Mar. 23, 1984	London
CONTINENTAL RENOVATIONS INC.	581816	Mar. 23, 1984	Toronto
COURTVIEW CHAMBERS LIMITED	582142	Mar. 27, 1984	Sault Ste. Marie
COVE ACOUSTICS INC.	582434	Mar. 30, 1984	Markham
CRAFTIST JEWELLERS INC.	582073	Mar. 27, 1984	Toronto
CRAY HOME SERVICES INC.	582319	Mar. 29, 1984	Richmond Hill
CREATIVE CURTAINS CANADA LIMITED ...	580918	Mar. 29, 1984	Waterloo
CYCLOTOON INC.	539314	Mar. 28, 1984	Atikokan
D. & M. LAU FOODS INC.	582431	Mar. 30, 1984	Scarborough
D. J. EDMONDSON ENTERPRISES INC.	571425	Mar. 23, 1984	Kingsville

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
D.F. STEVENSON ASSOCIATES INC.	582463	Mar. 30, 1984	Toronto
DAIN CITY TAVERN INC.	582015	Mar. 26, 1984	Welland
DAN DOMINICK CONSTRUCTION LTD.	581863	Mar. 27, 1984	Brantford
DANNY HOMES LIMITED	561688	Mar. 28, 1984	Ottawa
DANROB CUSTOM RESTAURANT EQUIPMENT LTD.	582043	Mar. 26, 1984	Mississauga
DE-BAZ INVESTMENTS LIMITED	582123	Mar. 27, 1984	Rexdale
DE-CASI CUSTOM BUILDERS LTD.	564125	Mar. 27, 1984	Cobourg
DELTA BORG RESTAURANT (BRAMPTON) LIMITED	582371	Mar. 30, 1984	Toronto
DEPAX INTERIORS PLUS INC.	582279	Mar. 29, 1984	Toronto
DEPEND-ALL FIRE PROTECTION CO. LTD. .	582066	Mar. 27, 1984	Weston
DERLAN INDUSTRIES LIMITED	582268	Mar. 29, 1984	Toronto
DERLAND HOLDINGS LIMITED	582267	Mar. 29, 1984	Kleinburg
DINING OUT MAGAZINE LTD.	582163	Mar. 28, 1984	Thornhill
DIRAC STRATEGIC MANAGEMENT INC.	582461	Mar. 30, 1984	Mississauga
DON BROWN HOMES LTD.	571443	Mar. 28, 1984	Stratford
DOUGLAS A. SLOAN ASSOCIATES INC.	582368	Mar. 30, 1984	Toronto
DR PEPPER (CANADA) INC.	582077	Mar. 27, 1984	Toronto
DREXIS INC.	582379	Mar. 30, 1984	Toronto
DRUMORE HOLDINGS INC.	582392	Mar. 30, 1984	Janetville
DUG'S TRADING LTD.	582055	Mar. 27, 1984	Athens
DUNDAS RAD & MUFFLER LTD.	580898	Mar. 23, 1984	Dundas
DURHAM OPTICS LTD.	581818	Mar. 23, 1984	Ajax
DYNASTY PLUMBING CENTRE LTD.	582445	Mar. 30, 1984	Toronto
E.P. INSTRUMENTATION (CANADA) INC. ...	582384	Mar. 30, 1984	Stoney Creek
EAST-LINK COMMUNICATIONS LTD	582273	Mar. 29, 1984	Pickering
ECSTASIE DINING LOUNGE INC.	582067	Mar. 27, 1984	Etobicoke
EMERALD HILLS RESORT & HOTEL INC.	564124	Mar. 27, 1984	Cobourg
EMPIRE REPLACEMENT PARTS LTD.	582299	Mar. 29, 1984	Woodbridge
EQUATOR COMMUNICATIONS INC.	582437	Mar. 30, 1984	Toronto
EUROMONT CONSULTANTS INC.	582301	Mar. 29, 1984	Toronto
EUROPEAN NOODLES INC	580836	Mar. 21, 1984	Richmond Hill
EXCALIBUR INSURANCE BROKERS INC. ...	582144	Mar. 27, 1984	Woodstock
EZ CLASSIC INVESTMENTS INC.	571427	Mar. 23, 1984	Thamesville
F.D. ENTERPRISES INC.	582029	Mar. 26, 1984	Willowdale
FAMILY FARMS FROZEN FOODS LTD.	582229	Mar. 28, 1984	Richmond Hill
FASHION-DOME LTD.	582069	Mar. 27, 1984	Thornhill
FASTRAX PRODUCTIONS INCORPORATED .	582306	Mar. 29, 1984	Waterdown
FERNDAL FARM SUPPLY INC.	581826	Mar. 23, 1984	Millbank
FERRISVIEW ELECTRONICS INC.	582293	Mar. 29, 1984	Mississauga
FIVE POINTS AUTO CENTRE INC.	581866	Mar. 27, 1984	Kitchener
FLAGSTAFF MEN'S SHOPPE INC.	582478	Mar. 30, 1984	Kitchener
FLAMER REALTY SERVICES LTD.	582330	Mar. 29, 1984	Toronto
FRANCESCO HAIRSTYLISTS INC.	561669	Mar. 23, 1984	Ottawa
FRANK'S HARDWARE LTD	582227	Mar. 28, 1984	Hamilton
FRASER-KIRK INTERNATIONAL INC.	582353	Mar. 29, 1984	Toronto
FREENRICH INC.	582135	Mar. 27, 1984	Hamilton
FURLANO REAL ESTATE LTD.	582352	Mar. 29, 1984	Downsview
FURNISH-A-WALL LIMITED	582309	Mar. 29, 1984	Weston
G & W JELLY TRUCKING INC.	582213	Mar. 28, 1984	New Liskeard
G. P. RHOADES GROUP INC.	582177	Mar. 28, 1984	Toronto
G. W. DOBBIE AND SON LTD.	582456	Mar. 30, 1984	Cambridge
GALBIATI INVESTMENTS INC.	581828	Mar. 23, 1984	Toronto
GARTH'S FLOWERS INC	582240	Mar. 28, 1984	Toronto
GEMMA PALERMO INVESTMENTS INC.	582155	Mar. 28, 1984	Rexdale
GENERAL WATERPROOFING INC.	582451	Mar. 30, 1984	Mississauga
GERANIUM HOMEFINISHERS INC.	582328	Mar. 29, 1984	Willowdale
GIACONDA LIMITED	582093	Mar. 27, 1984	Richmond Hill
GINZEL BROTHERS & ASSOCIATES LTD.	582280	Mar. 29, 1984	Waterloo
GJR MANUFACTURING INC.	582297	Mar. 29, 1984	Prince Albert
GLEN WEBER EXCAVATING LTD.	581869	Mar. 27, 1984	Wallenstein

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
GLOBAL DISCOUNT INC.	582024	Mar. 26, 1984	Toronto
GNK MANAGEMENT LIMITED	571432	Mar. 23, 1984	London
GOLD KROWN JEWELLERY INTERNATIONAL LTD.	582290	Mar. 29, 1984	Toronto
GORD'S SMALL JOBS INC.	580971	Mar. 20, 1984	Oshawa
GORDON GRIFFITH FARMS LTD.	582355	Mar. 29, 1984	Gowanstown
GRS ALARM SYSTEMS LIMITED	582125	Mar. 27, 1984	Hamilton
GUEST MANAGEMENT (WINDSOR) LTD.	538737	Mar. 23, 1984	Windsor
HAB HOLDINGS LTD.	561683	Mar. 28, 1984	Palmer Rapids
HAMBLY HOUSE LIMITED	582226	Mar. 28, 1984	Willowdale
HAMILTON HOCKEY TEAM INC	581868	Mar. 27, 1984	Hamilton
HENDERSON'S HAULAGE & COLLISION LIMITED	580866	Mar. 23, 1984	Guelph
HIMALAYA TRADE CORPORATION LTD	582269	Mar. 29, 1984	Don Mills
HINSPERGERS PROPERTIES INC.	582407	Mar. 30, 1984	Mississauga
HOME VIDEO CENTRES LTD.	582211	Mar. 28, 1984	Malton
HOMESTAR PRODUCTS INC	582472	Mar. 30, 1984	Don Mills
HON KEE PROPERTY MAINTENANCE AND MAID SERVICES CORPORATION	582465	Mar. 30, 1984	Toronto
HONEY-COMB CAFE INC.	582341	Mar. 29, 1984	Fergus
HOTA ONTARIO PRODUCT SUPPLIES LIMITED	582206	Mar. 28, 1984	Toronto
HURON PAINTING LTD.	571429	Mar. 23, 1984	Crediton
IDACA PARTNERSHIP INC.	582247	Mar. 28, 1984	Toronto
ILMI HOLDINGS LTD.	582480	Mar. 30, 1984	Willowdale
INSAREP INC	582068	Mar. 27, 1984	King City
INTEGRATED AGRO-SYSTEMS INCORPORATED	581800	Mar. 26, 1984	Guelph
INTERNATIONAL MEATS & PROCESSING LTD.	580882	Mar. 27, 1984	Cookstown
ISEN AUTOMOTIVE INC.	571428	Mar. 23, 1984	London
J. P. CONSULTANCY INC.	582349	Mar. 29, 1984	Downsview
J.A.D. MAY CONSULTING INC.	582476	Mar. 30, 1984	Willowdale
JAFF'S HOLDINGS LTD.	582137	Mar. 27, 1984	Toronto
JAMES ENVIRONMENTAL SYSTEMS LTD....	582389	Mar. 30, 1984	Downsview
JARRETT COMMERCIAL CONTRACTING LTD.	582090	Mar. 27, 1984	Scarborough
JEEJEEBHOY HOLDINGS INC.	582002	Mar. 26, 1984	Toronto
JLF PROMOTIONS LIMITED	582362	Mar. 30, 1984	Willowdale
JOHN B. GOOD CONSTRUCTION LIMITED ..	582186	Mar. 28, 1984	Unionville
JOHN BARBRO ENTERPRISES LTD.	582427	Mar. 30, 1984	Sault Ste. Marie
JOHN DE BOER CONSTRUCTION INC.	582047	Mar. 26, 1984	Listowel
JOHN M. EDWARDS FARM DRAINAGE LTD. .	582044	Mar. 26, 1984	Merlin
JOHN T. FIRSTBROOK INSURANCE AGENCIES LTD.	582185	Mar. 28, 1984	Toronto
JOLASA INVESTMENTS LIMITED	582345	Mar. 29, 1984	Toronto
JOSH KIMLE & ASSOCIATES INC.	582450	Mar. 30, 1984	Toronto
JOUR ET NUIT INC.	582313	Mar. 29, 1984	Toronto
JUNIPER PRODUCTIONS INC.	582138	Mar. 27, 1984	Toronto
K.R. HAJAS REAL ESTATE INC.	582307	Mar. 29, 1984	Hamilton
K.T.E. HOLDINGS INC.	582104	Mar. 27, 1984	Toronto
KARIM'S INVESTMENTS INC.	561685	Mar. 28, 1984	Nepean
KARL J. SCHNEIDER PAINTING SERVICES LIMITED	582375	Mar. 30, 1984	Willowdale
KEEN FORESTRY LTD.	582050	Mar. 26, 1984	Barrie
KELSEY'S ROAD HOUSE (MISSISSAUGA) LIMITED	582430	Mar. 30, 1984	Hamilton
KEMPENFELT BAY MARINE LTD.	582143	Mar. 27, 1984	Barrie
KEN'S CHUCKWAGON INC.	580964	Mar. 22, 1984	Stratford
KETCHUM CANADA INC.	582219	Mar. 28, 1984	Toronto
KEVIN BRIDGE TRANSPORT INC.	582026	Mar. 26, 1984	Listowel
KEVIN FLEMING DRUGS LTD.	582475	Mar. 30, 1984	New Liskeard

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
KEYNOTE PIANO SERVICE LTD.	561673	Mar. 26, 1984	Kars
KO-HAG FOODS LTD.	582070	Mar. 27, 1984	Willowdale
KRUZ-COM ADVERTISING INC.	582146	Mar. 27, 1984	St. Catharines
L. P. REARDON HOLDINGS INC.	581874	Mar. 27, 1984	Burlington
L.H. CUSTOM EQUIPMENT (1984) INC.	582232	Mar. 28, 1984	Markham
LABONTE TRUCKING (BELLE VALLEE) LIMITED	581797	Mar. 26, 1984	Belle Vallee
LADCO DISPLAYS INC.	571431	Mar. 23, 1984	London
LANCAR FARM LIMITED	582151	Mar. 27, 1984	Mildmay
LANODAR CREATIONS LIMITED	582038	Mar. 26, 1984	Mississauga
LAZICH ENTERPRISES INC.	538741	Mar. 26, 1984	Windsor
LEAMAN AUTO SERVICE INC.	581888	Mar. 28, 1984	Waterloo
LEDA REFRIGERATION LIMITED (1984)	582393	Mar. 30, 1984	Rexdale
LES IMMEUBLES MARLEAU REAL ESTATE LTD.	580915	Mar. 29, 1984	Sturgeon Falls
LIRIO INVESTMENTS INC.	580996	Mar. 22, 1984	Toronto
LOCHAMOR FARMS LTD.	582054	Mar. 27, 1984	Addison
LONGCOR ENTERPRISES INC.	561681	Mar. 27, 1984	Cornwall
LORANGER TRANSPORT LTD.	581798	Mar. 26, 1984	Earlton
LOUTUS ART & DESIGN CORPORATION	582207	Mar. 28, 1984	Toronto
LYNDEB CORPORATION	571434	Mar. 26, 1984	London
M-B-W CANADA LTD.	582400	Mar. 30, 1984	Etobicoke
MADCON INDUSTRIAL SALES LTD.	582217	Mar. 28, 1984	Scarborough
MAMA'S BOYS MAINTENANCE INC.	582372	Mar. 30, 1984	Scarborough
MAPLERIDGE DOWNS LIMITED	582126	Mar. 30, 1984	Concord
MARAT ENTERTAINMENT INC.	582019	Mar. 26, 1984	Etobicoke
MARDEE IMPORTS LIMITED	582156	Mar. 28, 1984	Toronto
MARLOU CONSTRUCTION LTD.	582190	Mar. 28, 1984	Caledonia
MATHER & VINCENT INSURANCE BROKERS LTD.	582315	Mar. 29, 1984	Port Elgin
MATHIAS STINNES REAL ESTATE INC.	582230	Mar. 28, 1984	Toronto
MATTEO & SONS LTD.	582148	Mar. 27, 1984	Mississauga
MCARTHUR'S OIL & LUBRICANTS LTD.	580997	Mar. 22, 1984	Erin
MCGUIGAN REALTY LIMITED	582127	Mar. 27, 1984	Islington
MCLENEHAN MOTORS LTD.	581833	Mar. 23, 1984	Ear Falls
MELVIN WILLIAMSON TIMBER LTD.	580962	Mar. 21, 1984	Fort Frances
MGR COMPANY LTD	582001	Mar. 26, 1984	Don Mills
MIC-ROB PETROLEUM CO. LIMITED	582133	Mar. 27, 1984	Toronto
MILLER PAL GOULD & ASSOCIATES INC. ...	582113	Mar. 27, 1984	Toronto
MILLS-HUGHES & ASSOCIATES MANAGEMENT CONSULTANTS LTD.	582008	Mar. 26, 1984	Mississauga
MISSISSAUGA DESIGN CO. LTD.	582062	Mar. 27, 1984	Mississauga
MO BAR ELECTRIC LTD.	582150	Mar. 27, 1984	Timmins
MODEL POOLS & PATIO LIMITED	582298	Mar. 29, 1984	Brampton
MODERN HOME TECHNOLOGIES INC.	582311	Mar. 29, 1984	Mississauga
MODIO DIGITAL SYSTEMS INC.	582234	Mar. 28, 1984	Toronto
MOORE ELECTRONICS ENTERTAINMENT LIMITED	580975	Mar. 20, 1984	Uxbridge
MS ELECTRIC MOTOR SERVICE LIMITED ...	582295	Mar. 29, 1984	Markham
MULTI ELECTRONIC SERVICES LTD.	582221	Mar. 28, 1984	Agincourt
MURMAC DEVELOPMENTS INC.	582124	Mar. 27, 1984	Scarborough
MURPHY AMBULANCE SERVICE LTD.	582343	Mar. 29, 1984	Delhi
NEILL & NEILL INC.	582036	Mar. 26, 1984	Toronto
NEMO PUBLICATIONS INC.	580890	Mar. 27, 1984	Markham
NERBACH INVESTMENTS LTD.	582348	Mar. 29, 1984	Toronto
NESTLE-IN PARK INC.	582401	Mar. 30, 1984	Dunsford
NEW-TECH CHEMICALS INC.	582373	Mar. 30, 1984	Whitby
NIAGARA REGION MOTOR HOME RENTAL INC.	580972	Mar. 20, 1984	Niagara-on-the-Lake
NOMAD SAND & GRAVEL INC.	548183	Mar. 29, 1984	Brighton
NOR-AM MAINTENANCE SERVICES (ONTARIO) INC.	582040	Mar. 26, 1984	Etobicoke

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
NOR-AM OFFICE SERVICES (ONTARIO) INC.	582041	Mar. 26, 1984	Etobicoke
NORMAN GOTTLIEB SALES LIMITED	582335	Mar. 29, 1984	Downsview
NORTHERN CUSTOM VANS LTD.	580949	Mar. 21, 1984	Barrie
NOVA RUBBER MANUFACTURING LTD.	582467	Mar. 30, 1984	Oakville
NUTRITION LINK LIMITED	582304	Mar. 29, 1984	Don Mills
OAKLEY JANITOR SERVICES LIMITED	581000	Mar. 22, 1984	Renfrew
OLDE MILL TRAVEL INC.	582325	Mar. 29, 1984	Islington
OM BUSINESS DATA PROCESSING INC.	582300	Mar. 29, 1984	Toronto
OPTIMAL MODELS AND DECISIONS INC. ...	582220	Mar. 28, 1984	Willowdale
OTTAWA VALLEY INDUSTRIAL SUPPLY LIMITED	561684	Mar. 28, 1984	Ottawa
OTTER CREEK CONSTRUCTION LIMITED ..	582481	Mar. 30, 1984	Hanover
OUTINGS LTD.	581847	Mar. 26, 1984	Kitchener
OXFORD STATION STAMPS LTD	561679	Mar. 27, 1984	Oxford Station
OZZO HOLDINGS LTD.	582281	Mar. 29, 1984	Mississauga
PARKLANE HOMES INC.	582201	Mar. 28, 1984	Toronto
PARLYN COMMUNICATIONS INC.	582452	Mar. 30, 1984	Bolton
PATIOSCAPE INC.	582458	Mar. 30, 1984	Guelph
PATRICIA AUTO SALES & SERVICE LTD	561686	Mar. 28, 1984	Pickle Lake
PENNANT INDUSTRIAL PRODUCTS LIMITED	582356	Mar. 30, 1984	Toronto
PER'S PLUMBING SUPPLIES LTD.	582181	Mar. 28, 1984	Scarborough
PERRY'S DOMESTIC SERVICE LTD.	561687	Mar. 28, 1984	Ottawa
PETER KENNETTE TRUCKING LTD.	538748	Mar. 29, 1984	Belle River
PPF INVESTMENTS LTD.	582282	Mar. 29, 1984	Toronto
PRICE INTERNATIONAL MARKETING LIMITED	582277	Mar. 29, 1984	Toronto
PRIME-RAY SALES LIMITED	582071	Mar. 27, 1984	Mississauga
PROFESSIONAL CARPET & FURNITURE CLEANING (1984) INC.	582394	Mar. 30, 1984	Islington
PROTECH ELECTRICAL SERVICES LTD.	581796	Mar. 26, 1984	Scarborough
QUATTROTECH INC.	582236	Mar. 28, 1984	Toronto
R. CONNOR HAULAGE LTD.	579718	Mar. 21, 1984	Acton
R. DAMPIER TIMBER INC.	539312	Mar. 27, 1984	Nipigon
REGAL INSURANCE BROKERS INC	582479	Mar. 30, 1984	Waterloo
REMINGTON TOOL & DIE COMPANY LTD. ...	582203	Mar. 28, 1984	Mississauga
REMTULLA INVESTMENT ENTERPRISES INC.	582241	Mar. 28, 1984	Toronto
RFB INDUSTRIAL TRUCK LTD.	582075	Mar. 27, 1984	Bowmanville
RICHARD B. LORIE INSURANCE AGENCIES INC.	582409	Mar. 30, 1984	Toronto
RIO GRANDE TEXAS-STYLE BBQ AND FINE MEXICAN FOODS LIMITED	580976	Mar. 20, 1984	Uxbridge
ROCKS MILL FEED AND SUPPLY LIMITED ..	571444	Mar. 29, 1984	Tillsonburg
RORERO LIMITED	582350	Mar. 29, 1984	Oshawa
ROSETHORNE HOLDINGS INC.	581883	Mar. 28, 1984	Toronto
ROXBOROUGH RESEARCH CORPORATION ..	582012	Mar. 26, 1984	Toronto
ROYAL OAK PAVING LTD.	582360	Mar. 30, 1984	Oakville
ROYALPINE HOMES LIMITED	582200	Mar. 28, 1984	Toronto
RUPA MEDICAL LTD.	571448	Mar. 29, 1984	Kitchener
RUSSELL A. WOODS SURVEYING LTD.	581862	Mar. 28, 1984	Kenora
S. K. TEAL LIMITED	582023	Mar. 26, 1984	Markham
SAHIRA INVESTMENTS LIMITED	582059	Mar. 27, 1984	Bolton
SALEM AUTO BODY AND SALES LIMITED ..	582033	Mar. 26, 1984	Toronto
SAMSON MATERIAL HANDLING MFG. INC. ..	582193	Mar. 28, 1984	Mississauga
SAMUEL FOODS LIMITED	581861	Mar. 27, 1984	Mississauga
SANDSTEL INCORPORATED	582174	Mar. 28, 1984	Thornhill
SANFRA DEVELOPMENTS LTD.	582128	Mar. 27, 1984	Barrie
SAVA INDUSTRIAL SALES INC.	582364	Mar. 30, 1984	Vinemount
SCIDATA SYSTEMS INC.	582003	Mar. 26, 1984	Toronto
SECURITON CANADA INC.	582061	Mar. 27, 1984	Toronto
SELECTIVE OVERLOAD SERVICES (DURHAM REGION) LTD.	582469	Mar. 30, 1984	Whitby

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
SENATE FOOD CORPORATION	582397	Mar. 30, 1984	Toronto
SERENDIPITY MANAGEMENT INC.	581865	Mar. 27, 1984	Markham
SESOM INVESTMENT CORPORATION	582406	Mar. 30, 1984	Toronto
SHARBAT SOUND INVESTMENTS INC.	582254	Mar. 29, 1984	Toronto
SHARKY'S DONUTS INC.	581781	Mar. 23, 1984	Mississauga
SHERMAN TRADING CO. LIMITED	582118	Mar. 27, 1984	Downsview
SHUM DESIGNS INC.	582442	Mar. 30, 1984	Toronto
SILICON SOLUTIONS LTD	561674	Mar. 26, 1984	Ottawa
SMALL ST. MURJON PROTECTIVE COATINGS INC.	581843	Mar. 26, 1984	Oshawa
SOAPAK INDUSTRIES LTD.	582035	Mar. 26, 1984	Toronto
SOFIA LEASING INC.	538747	Mar. 29, 1984	Maidstone
SOFT-TOUCH SYSTEMS INC.	582237	Mar. 28, 1984	Toronto
SOUTHAM COMPUTER INC	582344	Mar. 29, 1984	Willowdale
SPACE BOATS INC.	581873	Mar. 27, 1984	Scarborough
ST-CAL AGENCIES LTD.	582149	Mar. 27, 1984	Burlington
STAR SHOWS INC.	581802	Mar. 29, 1984	Willowdale
STARGLAS, INC.	580844	Mar. 28, 1984	Hudson
STARGLOW ENTERPRISES INC.	582132	Mar. 27, 1984	Downsview
STEPHEN J. MCCASEY & ASSOCIATES INC. .	582387	Mar. 30, 1984	Aurora
STEPHENS INSURANCE AGENCIES INC.	582286	Mar. 29, 1984	Toronto
STEREOPLACE IN THORNHILL INC.	582005	Mar. 26, 1984	Toronto
STEVEN NICHOLAS SPORTSWEAR LIMITED	582336	Mar. 29, 1984	Downsview
STILLIE DESIGN LTD.	582386	Mar. 30, 1984	Toronto
STONEVIEW MASONRY LIMITED	582099	Mar. 27, 1984	Guelph
STONEWALL MARKETING CORPORATION ..	582086	Mar. 27, 1984	Brampton
STRADIOTTO MASONRY INC.	582100	Mar. 27, 1984	Guelph
STRAP CONTRACTING LIMITED	582020	Mar. 26, 1984	Toronto
STUART GREIG & SONS LTD.	580973	Mar. 20, 1984	Southampton
STUDENT PAINTERS LTD.	582197	Mar. 28, 1984	Thornhill
SUNSET HOUSEBOATING INC.	580998	Mar. 22, 1984	Keewatin
SUPERIOR MOBILE WASH LTD.	582395	Mar. 30, 1984	Islington
SUTHERLAND INVESTMENT CORPORATION	582079	Mar. 27, 1984	Toronto
TARNOW LINTON PRODUCTIONS INC.	582405	Mar. 30, 1984	Toronto
THE CARGO CANTEEN LTD.	582338	Mar. 29, 1984	Mississauga
THE GREAT ABACO PLUG CORPORATION ..	582171	Mar. 28, 1984	Toronto
THE GREAT CANADIAN TRADING POST CO. LTD.	538739	Mar. 23, 1984	Windsor
THE RECEPTIONISTS INC.	582276	Mar. 29, 1984	Toronto
THE WALKER HOUSE SOUTHAMPTON LTD.	582318	Mar. 29, 1984	Southampton
THE WITSIB GROUP INC.	582170	Mar. 28, 1984	Toronto
THOMSON & ASSOCIATES INSURANCE AGENCIES LTD.	582383	Mar. 30, 1984	Oakville
TIMESAVER INSURANCE MARKETING EXPERTISE INSURANCE AGENCY LTD. ...	582187	Mar. 28, 1984	Willowdale
TONY'S TREE SERVICE & LANDSCAPING LTD.	581827	Mar. 23, 1984	Kitchener
TORCAN ELECTRONICS INC.	582361	Mar. 30, 1984	Toronto
TORONTO OPTICAL INC.	582289	Mar. 29, 1984	Toronto
TOWERHILL HOLDINGS INC.	582443	Mar. 30, 1984	Richmond Hill
TRANSWAY TRAVEL INC.	582081	Mar. 27, 1984	Mississauga
TRAVEL LOVERS TRAVEL INC.	582410	Mar. 30, 1984	Toronto
TRI-COUNTY RECYCLING LTD.	538749	Mar. 29, 1984	Windsor
TRI-TOWN MACHINE SHOP LTD.	582214	Mar. 28, 1984	New Liskeard
TROPICANA-GLOBAL MARKETING LTD.	581779	Mar. 23, 1984	Don Mills
TSUI & LO ENTERPRISES LTD.	538742	Mar. 27, 1984	Windsor
TURNBULL LUETOLF REAL ESTATE LIMITED	582108	Mar. 27, 1984	Willowdale
ULTRA AIR AIRSHOWS INC.	582046	Mar. 26, 1984	Weston
UNICORN MODELLING INC.	580963	Mar. 20, 1984	Hamilton
UNIQUE TOUCH BOUTIQUE INC.	582412	Mar. 30, 1984	Toronto

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
UNITED BISCUITS HOLDINGS (CANADA) LTD.	582283	Mar. 29, 1984	Toronto
UNITED MARINE INTERNATIONAL INC. ...	582429	Mar. 30, 1984	Markham
UNITEL COMMUNICATIONS SYSTEMS INC. .	582045	Mar. 26, 1984	Hamilton
VAN DER KLIS BAKERY INCORPORATED ...	582262	Mar. 29, 1984	St. Catharines
VAN LUYK GREENHOUSES LIMITED	571442	Mar. 28, 1984	London
VANDERWEES FLORIST LIMITED	539313	Mar. 28, 1984	Thunder Bay
VANDESCO & ASSOCIATES LTD.	580995	Mar. 22, 1984	Etobicoke
VANROTH FINANCIAL CONSULTANTS INC. .	582433	Mar. 30, 1984	Toronto
VINCE MARTIN & ASSOCIATES INC.	582094	Mar. 27, 1984	West Hill
VYCOAT INC.	582048	Mar. 26, 1984	Toronto
W.R. LONGS GUNSMITHS LTD.	564122	Mar. 23, 1984	Cobourg
WATTS MINING AND DEVELOPMENT CORPORATION	582448	Mar. 30, 1984	Toronto
WEST BAY CONSULTANTS INC.	582308	Mar. 29, 1984	Pickering
WILLIAM HARRISON SIGN SUPPLIES INC. .	582396	Mar. 30, 1984	Islington
WILLIAMS HOTELS (BELLEVILLE) LIMITED	582248	Mar. 28, 1984	Belleville
WILLPORT ENTERPRISES INC.	582192	Mar. 28, 1984	Markham
WINDS OF CHANGE INC.	581795	Mar. 26, 1984	Toronto
WINDSURFING TORONTO INC.	582449	Mar. 30, 1984	Willowdale
WONG SOO ENTERPRISES LIMITED	539315	Mar. 28, 1984	Thunder Bay
YAT LEE TRADING COMPANY LIMITED	582205	Mar. 28, 1984	Toronto
YU FASHION ACCESSORIES LTD.	582462	Mar. 30, 1984	Toronto
ZELEM FARMS LIMITED	582334	Mar. 29, 1984	Simcoe
ZENGILLI HOLDINGS LIMITED	582444	Mar. 30, 1984	Willowdale
ZOMAL HOLDINGS LIMITED	582157	Mar. 28, 1984	Toronto
285 WOOLWICH STREET (1984) LTD.	581787	Mar. 23, 1984	Guelph
50 ST. CLAIR EAST LIMITED	582421	Mar. 30, 1984	Toronto
510553 ONTARIO LIMITED	510553	Mar. 26, 1984	Sudbury
510557 ONTARIO INC.	510557	Mar. 28, 1984	North Bay
510558 ONTARIO LIMITED	510558	Mar. 28, 1984	Sudbury
510559 ONTARIO LIMITED	510559	Mar. 28, 1984	Naughton
510560 ONTARIO INC.	510560	Mar. 29, 1984	Sudbury
538738 ONTARIO LTD.	538738	Mar. 23, 1984	Windsor
538740 ONTARIO LIMITED	538740	Mar. 23, 1984	Windsor
538743 ONTARIO LIMITED	538743	Mar. 27, 1984	Windsor
538744 ONTARIO LIMITED	538744	Mar. 27, 1984	Windsor
538745 ONTARIO INC.	538745	Mar. 27, 1984	Windsor
538746 ONTARIO LIMITED	538746	Mar. 28, 1984	Windsor
548174 ONTARIO INC.	548174	Mar. 15, 1984	Milford
548179 ONTARIO INC.	548179	Mar. 26, 1984	Napanee
548180 ONTARIO INC.	548180	Mar. 27, 1984	Kingston
548181 ONTARIO INC.	548181	Mar. 27, 1984	Kingston
548182 ONTARIO INC.	548182	Mar. 29, 1984	Kingston
548184 ONTARIO INC.	548184	Mar. 29, 1984	Kingston
548185 ONTARIO INC.	548185	Mar. 29, 1984	Kingston
561643 ONTARIO INC.	561643	Mar. 21, 1984	Manotick
561666 ONTARIO LIMITED	561666	Mar. 23, 1984	Orleans
561667 ONTARIO LIMITED	561667	Mar. 23, 1984	Ottawa
561668 ONTARIO INC.	561668	Mar. 23, 1984	Ottawa
561670 ONTARIO INC.	561670	Mar. 26, 1984	Ashton
561671 ONTARIO INC.	561671	Mar. 26, 1984	Ottawa
561672 ONTARIO INC.	561672	Mar. 26, 1984	Ottawa
561676 ONTARIO INC.	561676	Mar. 27, 1984	Ottawa
561680 ONTARIO LTD	561680	Mar. 27, 1984	North Gower
561689 ONTARIO LTD.	561689	Mar. 28, 1984	Ottawa
561690 ONTARIO LTD.	561690	Mar. 28, 1984	Ottawa
564123 ONTARIO LIMITED	564123	Mar. 26, 1984	Peterborough
564126 ONTARIO LIMITED	564126	Mar. 27, 1984	Havelock
564129 ONTARIO LIMITED	564129	Mar. 28, 1984	Lindsay
564130 ONTARIO LIMITED	564130	Mar. 28, 1984	Peterborough
571423 ONTARIO INC.	571423	Mar. 23, 1984	London

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
571426 ONTARIO LIMITED	571426	Mar. 23, 1984	Waterloo
571430 ONTARIO LIMITED	571430	Mar. 23, 1984	Kippen
571433 ONTARIO LIMITED	571433	Mar. 26, 1984	Scarborough
571435 ONTARIO LTD.	571435	Mar. 26, 1984	Wallaceburg
571436 ONTARIO LIMITED	571436	Mar. 27, 1984	London
571437 ONTARIO LIMITED	571437	Mar. 27, 1984	London
571438 ONTARIO LTD.	571438	Mar. 27, 1984	London
571439 ONTARIO LTD.	571439	Mar. 27, 1984	London
571440 ONTARIO LIMITED	571440	Mar. 27, 1984	London
571445 ONTARIO INC.	571445	Mar. 29, 1984	Union
571446 ONTARIO INC.	571446	Mar. 29, 1984	Union
571449 ONTARIO LIMITED	571449	Mar. 29, 1984	London
573142 ONTARIO LIMITED	573142	Mar. 28, 1984	Richmond Hill
578511 ONTARIO LIMITED	578511	Mar. 29, 1984	Willowdale
579783 ONTARIO INC.	579783	Mar. 26, 1984	Ottawa
580809 ONTARIO INC.	580809	Mar. 29, 1984	Kingston
580874 ONTARIO INC.	580874	Mar. 21, 1984	Simcoe
580883 ONTARIO INC.	580883	Mar. 27, 1984	Cookstown
580917 ONTARIO INC.	580917	Mar. 28, 1984	Downsview
580947 ONTARIO INC.	580947	Mar. 21, 1984	Hamilton
580965 ONTARIO INC.	580965	Mar. 20, 1984	Waterloo
580966 ONTARIO INC.	580966	Mar. 20, 1984	Waterloo
580967 ONTARIO INC.	580967	Mar. 20, 1984	Waterloo
580968 ONTARIO INC.	580968	Mar. 20, 1984	Waterloo
580992 ONTARIO INC.	580992	Mar. 22, 1984	Hamilton
580994 ONTARIO LIMITED	580994	Mar. 22, 1984	Toronto
580999 ONTARIO LIMITED	580999	Mar. 22, 1984	Hearst
581777 ONTARIO LIMITED	581777	Mar. 23, 1984	Heidelberg
581780 ONTARIO LIMITED	581780	Mar. 23, 1984	Ancaster
581793 ONTARIO LTD.	581793	Mar. 26, 1984	Toronto
581794 ONTARIO LIMITED	581794	Mar. 26, 1984	Oshawa
581799 ONTARIO LIMITED	581799	Mar. 26, 1984	Willowdale
581819 ONTARIO LIMITED	581819	Mar. 23, 1984	Sarnia
581820 ONTARIO LIMITED	581820	Mar. 23, 1984	Niagara Falls
581821 ONTARIO LIMITED	581821	Mar. 23, 1984	Sarnia
581822 ONTARIO LIMITED	581822	Mar. 23, 1984	Sarnia
581824 ONTARIO INC.	581824	Mar. 23, 1984	Burlington
581825 ONTARIO INC.	581825	Mar. 23, 1984	Chatham
581842 ONTARIO LIMITED	581842	Mar. 26, 1984	Kapuskasing
581844 ONTARIO INC.	581844	Mar. 26, 1984	Niagara Falls
581848 ONTARIO LIMITED	581848	Mar. 26, 1984	Burlington
581849 ONTARIO LIMITED	581849	Mar. 26, 1984	Hamilton
581850 ONTARIO LIMITED	581850	Mar. 26, 1984	Sault Ste. Marie
581857 ONTARIO LIMITED	581857	Mar. 27, 1984	Concord
581864 ONTARIO LIMITED	581864	Mar. 27, 1984	Barrie
581871 ONTARIO LIMITED	581871	Mar. 27, 1984	St. Catharines
581872 ONTARIO LTD.	581872	Mar. 27, 1984	Cambridge
581887 ONTARIO INC.	581887	Mar. 28, 1984	Hamilton
581889 ONTARIO LTD.	581889	Mar. 28, 1984	Niagara Falls
582004 ONTARIO LIMITED	582004	Mar. 26, 1984	Toronto
582006 ONTARIO LIMITED	582006	Mar. 26, 1984	Willowdale
582009 ONTARIO LIMITED	582009	Mar. 26, 1984	Blind River
582010 ONTARIO INC.	582010	Mar. 26, 1984	Etobicoke
582011 ONTARIO LIMITED	582011	Mar. 26, 1984	Toronto
582013 ONTARIO LIMITED	582013	Mar. 26, 1984	Scarborough
582016 ONTARIO LIMITED	582016	Mar. 26, 1984	Mississauga
582017 ONTARIO INC.	582017	Mar. 26, 1984	Brampton
582018 ONTARIO LIMITED	582018	Mar. 26, 1984	Port Perry
582021 ONTARIO INC.	582021	Mar. 26, 1984	Markham
582022 ONTARIO INC.	582022	Mar. 26, 1984	Markham
582027 ONTARIO LIMITED	582027	Mar. 26, 1984	Thorold
582028 ONTARIO INC.	582028	Mar. 26, 1984	Pickering

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
582031 ONTARIO LIMITED	582031	Mar. 26, 1984	Toronto
582032 ONTARIO INC.	582032	Mar. 26, 1984	Cornwall
582034 ONTARIO LIMITED	582034	Mar. 26, 1984	Willowdale
582037 ONTARIO LIMITED	582037	Mar. 26, 1984	Mississauga
582039 ONTARIO LIMITED	582039	Mar. 26, 1984	Toronto
582049 ONTARIO INC.	582049	Mar. 26, 1984	Toronto
582051 ONTARIO LIMITED	582051	Mar. 26, 1984	Timmins
582053 ONTARIO LIMITED	582053	Mar. 26, 1984	Cambridge
582056 ONTARIO INC.	582056	Mar. 27, 1984	Toronto
582057 ONTARIO LIMITED	582057	Mar. 27, 1984	Mississauga
582058 ONTARIO INC.	582058	Mar. 27, 1984	Toronto
582060 ONTARIO INC.	582060	Mar. 27, 1984	Willowdale
582063 ONTARIO LIMITED	582063	Mar. 27, 1984	Elora
582065 ONTARIO LIMITED	582065	Mar. 27, 1984	Toronto
582072 ONTARIO INC.	582072	Mar. 27, 1984	Toronto
582074 ONTARIO INC.	582074	Mar. 27, 1984	Mississauga
582076 ONTARIO INC.	582076	Mar. 27, 1984	Toronto
582078 ONTARIO INC.	582078	Mar. 27, 1984	Toronto
582080 ONTARIO LIMITED	582080	Mar. 27, 1984	Richmond Hill
582082 ONTARIO LIMITED	582082	Mar. 27, 1984	Weston
582083 ONTARIO LIMITED	582083	Mar. 27, 1984	Richmond Hill
582084 ONTARIO LIMITED	582084	Mar. 27, 1984	Toronto
582085 ONTARIO LIMITED	582085	Mar. 27, 1984	Toronto
582087 ONTARIO LIMITED	582087	Mar. 27, 1984	Toronto
582088 ONTARIO INC.	582088	Mar. 27, 1984	Oakville
582089 ONTARIO LIMITED	582089	Mar. 27, 1984	Islington
582091 ONTARIO LIMITED	582091	Mar. 27, 1984	Etobicoke
582095 ONTARIO LIMITED	582095	Mar. 27, 1984	Toronto
582096 ONTARIO LIMITED	582096	Mar. 27, 1984	Toronto
582102 ONTARIO INC.	582102	Mar. 27, 1984	Toronto
582103 ONTARIO LIMITED	582103	Mar. 27, 1984	Downsview
582105 ONTARIO LIMITED	582105	Mar. 27, 1984	Toronto
582109 ONTARIO LIMITED	582109	Mar. 27, 1984	Toronto
582111 ONTARIO LIMITED	582111	Mar. 27, 1984	Toronto
582112 ONTARIO LIMITED	582112	Mar. 27, 1984	Rexdale
582114 ONTARIO INC.	582114	Mar. 27, 1984	Toronto
582116 ONTARIO LIMITED	582116	Mar. 27, 1984	Toronto
582117 ONTARIO LIMITED	582117	Mar. 27, 1984	Toronto
582121 ONTARIO INC.	582121	Mar. 27, 1984	Toronto
582122 ONTARIO INC.	582122	Mar. 27, 1984	Willowdale
582129 ONTARIO LIMITED	582129	Mar. 27, 1984	Toronto
582130 ONTARIO LIMITED	582130	Mar. 27, 1984	Mississauga
582134 ONTARIO INC.	582134	Mar. 27, 1984	Scarborough
582136 ONTARIO LIMITED	582136	Mar. 27, 1984	Hamilton
582140 ONTARIO LIMITED	582140	Mar. 27, 1984	Lakefield
582145 ONTARIO INC.	582145	Mar. 27, 1984	Hamilton
582154 ONTARIO LIMITED	582154	Mar. 28, 1984	North Bay
582158 ONTARIO LIMITED	582158	Mar. 28, 1984	Downsview
582159 ONTARIO LTD.	582159	Mar. 28, 1984	Brampton
582160 ONTARIO LIMITED	582160	Mar. 28, 1984	Toronto
582161 ONTARIO INC.	582161	Mar. 28, 1984	Oshawa
582162 ONTARIO INC.	582162	Mar. 28, 1984	Toronto
582165 ONTARIO INC.	582165	Mar. 28, 1984	Timmins
582166 ONTARIO INC.	582166	Mar. 28, 1984	Timmins
582167 ONTARIO INC.	582167	Mar. 28, 1984	Timmins
582168 ONTARIO LIMITED	582168	Mar. 28, 1984	Downsview
582172 ONTARIO LIMITED	582172	Mar. 28, 1984	Weston
582173 ONTARIO INC.	582173	Mar. 28, 1984	Rexdale
582175 ONTARIO LIMITED	582175	Mar. 28, 1984	Scarborough
582176 ONTARIO INC.	582176	Mar. 28, 1984	Hamilton
582178 ONTARIO INC.	582178	Mar. 28, 1984	Toronto
582182 ONTARIO INC.	582182	Mar. 28, 1984	Toronto

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
582183 ONTARIO INC.	582183	Mar. 28, 1984	Oakville
582184 ONTARIO INC.	582184	Mar. 28, 1984	Oakville
582188 ONTARIO INC.	582188	Mar. 28, 1984	Toronto
582189 ONTARIO LIMITED	582189	Mar. 28, 1984	Caledonia
582194 ONTARIO INC.	582194	Mar. 28, 1984	Burlington
582195 ONTARIO LIMITED	582195	Mar. 28, 1984	Downsview
582198 ONTARIO INC.	582198	Mar. 28, 1984	Mississauga
582202 ONTARIO LTD.	582202	Mar. 28, 1984	Etobicoke
582210 ONTARIO INC.	582210	Mar. 28, 1984	Thornhill
582212 ONTARIO INC.	582212	Mar. 28, 1984	Toronto
582215 ONTARIO LTD.	582215	Mar. 28, 1984	Haileybury
582216 ONTARIO LIMITED	582216	Mar. 28, 1984	Guelph
582218 ONTARIO LIMITED	582218	Mar. 28, 1984	Toronto
582222 ONTARIO INC.	582222	Mar. 28, 1984	Toronto
582223 ONTARIO INC.	582223	Mar. 28, 1984	Hamilton
582224 ONTARIO INC.	582224	Mar. 28, 1984	Toronto
582225 ONTARIO INC.	582225	Mar. 28, 1984	Toronto
582228 ONTARIO LIMITED	582228	Mar. 28, 1984	Toronto
582231 ONTARIO LIMITED	582231	Mar. 28, 1984	Scarborough
582233 ONTARIO LTD.	582233	Mar. 28, 1984	Toronto
582235 ONTARIO LIMITED	582235	Mar. 28, 1984	Pickering
582238 ONTARIO LTD.	582238	Mar. 28, 1984	Barrie
582242 ONTARIO LTD.	582242	Mar. 28, 1984	Toronto
582243 ONTARIO INC.	582243	Mar. 28, 1984	Unionville
582246 ONTARIO INC.	582246	Mar. 28, 1984	Chelmsford
582250 ONTARIO LTD.	582250	Mar. 28, 1984	Welland
582252 ONTARIO LTD.	582252	Mar. 28, 1984	Bancroft
582253 ONTARIO INC.	582253	Mar. 29, 1984	Hamilton
582255 ONTARIO INC.	582255	Mar. 29, 1984	Willowdale
582256 ONTARIO LIMITED	582256	Mar. 29, 1984	Kitchener
582257 ONTARIO INC.	582257	Mar. 29, 1984	Toronto
582258 ONTARIO INC.	582258	Mar. 29, 1984	Toronto
582260 ONTARIO LIMITED	582260	Mar. 29, 1984	Brockville
582266 ONTARIO INC.	582266	Mar. 29, 1984	Scarborough
582270 ONTARIO INC.	582270	Mar. 29, 1984	Mississauga
582271 ONTARIO INC.	582271	Mar. 29, 1984	Weston
582272 ONTARIO LIMITED	582272	Mar. 29, 1984	Scarborough
582274 ONTARIO LIMITED	582274	Mar. 29, 1984	St. Catharines
582275 ONTARIO LIMITED	582275	Mar. 29, 1984	Downsview
582284 ONTARIO LIMITED	582284	Mar. 29, 1984	Weston
582285 ONTARIO LIMITED	582285	Mar. 29, 1984	Weston
582287 ONTARIO INC.	582287	Mar. 29, 1984	Haliburton
582288 ONTARIO LIMITED	582288	Mar. 29, 1984	Toronto
582291 ONTARIO LIMITED	582291	Mar. 29, 1984	Islington
582302 ONTARIO LIMITED	582302	Mar. 29, 1984	Toronto
582305 ONTARIO LIMITED	582305	Mar. 29, 1984	Toronto
582314 ONTARIO LTD.	582314	Mar. 29, 1984	Cornwall
582316 ONTARIO LIMITED	582316	Mar. 29, 1984	Rexdale
582317 ONTARIO INC.	582317	Mar. 29, 1984	Oakville
582320 ONTARIO INC.	582320	Mar. 29, 1984	Downsview
582322 ONTARIO INC.	582322	Mar. 29, 1984	Cameron
582323 ONTARIO LIMITED	582323	Mar. 29, 1984	Etobicoke
582324 ONTARIO LIMITED	582324	Mar. 29, 1984	Toronto
582326 ONTARIO LIMITED	582326	Mar. 29, 1984	Richmond Hill
582327 ONTARIO LIMITED	582327	Mar. 29, 1984	Richmond Hill
582331 ONTARIO INC.	582331	Mar. 29, 1984	Toronto
582332 ONTARIO LIMITED	582332	Mar. 29, 1984	Hamilton
582333 ONTARIO LIMITED	582333	Mar. 29, 1984	Hamilton
582337 ONTARIO LIMITED	582337	Mar. 29, 1984	Downsview
582342 ONTARIO INC.	582342	Mar. 29, 1984	Stratford
582346 ONTARIO LIMITED	582346	Mar. 29, 1984	Rexdale
582347 ONTARIO LIMITED	582347	Mar. 29, 1984	Toronto

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
582351 ONTARIO INC.	582351	Mar. 29, 1984	Downsview
582365 ONTARIO INC.	582365	Mar. 30, 1984	Woodbridge
582366 ONTARIO INC.	582366	Mar. 30, 1984	Willowdale
582367 ONTARIO LIMITED	582367	Mar. 30, 1984	Toronto
582370 ONTARIO LIMITED	582370	Mar. 30, 1984	Scarborough
582374 ONTARIO LIMITED	582374	Mar. 30, 1984	Pickering
582376 ONTARIO LIMITED	582376	Mar. 30, 1984	Toronto
582377 ONTARIO LIMITED	582377	Mar. 30, 1984	Toronto
582378 ONTARIO INC.	582378	Mar. 30, 1984	Aurora
582390 ONTARIO LIMITED	582390	Mar. 30, 1984	Toronto
582399 ONTARIO INC.	582399	Mar. 30, 1984	Kitchener
582402 ONTARIO INC.	582402	Mar. 30, 1984	Toronto
582403 ONTARIO LIMITED	582403	Mar. 30, 1984	Mississauga
582411 ONTARIO LIMITED	582411	Mar. 30, 1984	Huntsville
582413 ONTARIO INC.	582413	Mar. 30, 1984	Islington
582414 ONTARIO INC.	582414	Mar. 30, 1984	Islington
582415 ONTARIO LTD.	582415	Mar. 30, 1984	Sundridge
582418 ONTARIO LTD.	582418	Mar. 30, 1984	West Hill
582419 ONTARIO LIMITED	582419	Mar. 30, 1984	Oshawa
582422 ONTARIO LIMITED	582422	Mar. 30, 1984	Downsview
582424 ONTARIO LIMITED	582424	Mar. 30, 1984	Toronto
582425 ONTARIO INC.	582425	Mar. 30, 1984	Scarborough
582432 ONTARIO LIMITED	582432	Mar. 30, 1984	Toronto
582435 ONTARIO LIMITED	582435	Mar. 30, 1984	Markham
582459 ONTARIO LIMITED	582459	Mar. 30, 1984	Scarborough
582460 ONTARIO LIMITED	582460	Mar. 30, 1984	Mississauga
582466 ONTARIO INC.	582466	Mar. 30, 1984	Toronto

E. J. WELLS, LL.B.,

Director, Companies Branch.

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Certificate of Incorporation Issued

NOTICE IS HEREBY GIVEN that, under the *Co-operative Corporations Act*, a Certificate of Incorporation has been issued to:

Name of Corporation	Date of Incorporation	Head Office
MAISON CO-OPERATIVE SWEETLAND INCORPORATED	Mar. 26, 1984	Ottawa

T. T. ROBINS,

Director, Credit Unions and Co-operatives
Services Branch, Financial Institutions Division.

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Letters Patent of Incorporation Issued

NOTICE IS HEREBY GIVEN that, under the *Corporations Act*, Letters Patent have been issued to:

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Head Office
ALGOMA SUBSTANCE ABUSE REHABILITATION CENTER (without share capital)	574392	Jan. 9, 1984	Sault Ste. Marie
ANISHNABE HEALTH RESOURCES (without share capital)	577613	Mar. 16, 1984	Toronto
THE ASSOCIATION OF FORMER HARVESTER RETAIL BRANCH DEALERS OF CANADA (without share capital)	579743	Mar. 26, 1984	Hamilton

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Head Office
BIG BROTHERS & BIG SISTERS OF KINCARDINE & DISTRICT (without share capital)	580885	Mar. 23, 1984	Kincardine
A. SHEILA BOYD FOUNDATION (without share capital)	575470	Mar. 23, 1984	Bobcaygeon
CANADA-JAPAN SOCIETY OF TORONTO (without share capital)	579645	Mar. 12, 1984	North York
CANADIAN HEBREW INSTITUTE FOR THE LEARNING DISABLED (C.H.I.L.D.) INC. (without share capital)	579633	Mar. 1, 1984	Willowdale
CASTORS DU CANTON DE CLARENCE HOCKEY JR B (without share capital)	577723	Mar. 19, 1984	Clarence
CHING FAR TEMPLE (without share capital) ...	579719	Mar. 13, 1984	Markham
FAITH (OSHAWA) LUTHERAN CHURCH FOUNDATION INC. (without share capital) ...	569077	Mar. 26, 1984	Oshawa
FINCH & DISTRICT SENIORS HOUSING CORPORATION (without share capital)	579697	Mar. 15, 1984	Finch
GERMAN-CANADIAN SENIOR CITIZENS HOME OF METROPOLITAN TORONTO INC. (without share capital)	576596	Feb. 27, 1984	Etobicoke
ISLAND VIEW HUNT CLUB (without share capital)	567626	Mar. 27, 1984	Petrolia
KINLOSS COMMUNITY CENTRE (without share capital)	580988	Mar. 22, 1984	Kincardine
LA TROUPE DE THEATRE LE P'TIT MATIN (without share capital)	580820	Mar. 23, 1984	Plantagenet
LEAMINGTON FIGURE SKATING CLUB (without share capital)	576401	Mar. 15, 1984	Leamington
MEAFORD LODGE NO. 1170 LOYAL ORDER OF MOOSE (without share capital)	580979	Mar. 22, 1984	St. Vincent
NEW LEAF: LIVING AND LEARNING TOGETHER INC. (without share capital)	579780	Mar. 9, 1984	Metro. Toronto
NORFOLK SELF-HELP ASSOCIATION FOR DISABLED PERSONS (without share capital) ..	545023	Jan. 25, 1984	Simcoe
NORTHERN ONTARIO FARMERS ASSOCIATION (without share capital)	577768	Mar. 21, 1984	Matheson
ONTARIO MINOR HOCKEY ASSOCIATION INC. (without share capital)	576468	Mar. 27, 1984	Scarborough
PARENTS OF ASTHMATIC CHILDREN OF SOUTHERN ONTARIO (without share capital)	573859	Jan. 11, 1984	Markham
PICKERING NATURALISTS (without share capital)	566861	Mar. 7, 1984	Pickering
PLEASANT MANOR CARE SERVICES (without share capital)	574267	Jan. 23, 1984	Niagara on the Lake
RAINBOW CORNERS DAYCARE CENTRE (without share capital)	579695	Mar. 28, 1984	Markham
SCHOMBERG FIREMAN'S CLUB (without share capital)	578595	Mar. 20, 1984	Schomberg
SENIOR PEOPLES' RESOURCES IN NORTH TORONTO INCORPORATED (without share capital)	579640	Mar. 26, 1984	Metro. Toronto
THE STORMONT SEAWAY LIONS CLUB (without share capital)	578590	Mar. 20, 1984	Cornwall
WEST LINCOLN MULTILEVEL HEALTH FACILITY INC. (without share capital)	576565	Feb. 2, 1984	Grimsby
WEST NEPEAN ECUMENICAL RESIDENTIAL PROJECTS (without share capital)	579619	Mar. 7, 1984	Nepean

E. J. WELLS, LL.B.,
Director, Companies Branch.

Certificates of Amalgamation

NOTICE IS HEREBY GIVEN that a certificate of amalgamation under the *Business Corporations Act* has been endorsed:

Name of Amalgamated Corporation	Ontario Corp. No.	Effective Date	Names of Amalgamating Corporations
A.H.A AUTOMOTIVE TECHNOLOGIES CORPORATION	582557	April 2, 1984	A.H.A Automotive Technologies Corporation Orelock Explorations Limited
AGRI COMMODITIES LIMITED MARCHANDISES AGRI LIMITEE	581923	April 1, 1984	AGRI Commodities Limited Shafer Haggart Commodities Ltd. Western Agri-Services Ltd.
AZZAN CONSTRUCTION CORPORATION	582292	Mar. 31, 1984	Azzan Construction Corporation Barrow Investments Limited
BAIF DEVELOPMENTS LIMITED	582092	April 1, 1984	Baif Developments Limited Tenbury Investments Limited Skipton Investments Limited Lochdale Holdings Limited Zerton Holdings Limited Romsey Developments Limited Valtyne Investments Limited Malachite Holdings Limited Tanera Holdings Limited Baifco Holdings Limited
W. C. BARRATT CONSTRUCTION LTD.....	582357	Mar. 30, 1984	W. C. Barratt Construction Ltd. W. C. Barratt Consulting Services Limited
CABOT CANADA LTD.....	582363	April 1, 1984	Cabot Carbon of Canada, Ltd. Deloro Stellite Canada Limited
CARA OPERATIONS LIMITED	581920	April 2, 1984	Foodcorp Limited Cara Operations Limited
CELERITER CURRO INC.	582436	Mar. 30, 1984	Celeriter Curro Inc. Qualified Sales Leads Limited
CENTOR MANAGEMENT LIMITED ...	582261	Mar. 31, 1984	Centor Developments Limited Centor Management Limited
CHUBB INDUSTRIES LIMITED	582263	April 1, 1984	Chubb Industries Limited Chubb Holdings (North America) Limited
ADAM CLARK COMPANY LTD.	582340	April 1, 1984	466916 Ontario Ltd. Adam Clark Company Ltd.
COLOSSEUM HOMES LTD.	582482	Mar. 30, 1984	Colosseum Homes Ltd. I.P.M. Marketing Inc.
COPP CLARK PITMAN LTD.	582391	Mar. 30, 1984	Copp Clark Pitman Ltd. Pitman Investments Ltd.
DEEM MANAGEMENT SERVICES LIMITED	582454	April 1, 1984	Deem Management Services Limited 482362 Ontario Limited
DEEM MANAGEMENT SERVICES LIMITED	582470	April 1, 1984	Deem Management Services Limited Dalarjay Holdings Inc.
DEERHURST RESORTS LIMITED	582473	Mar. 31, 1984	Deerhurst Resorts Limited Deerhurst Golf Club Inc.

Name of Amalgamated Corporation	Ontario Corp. No.	Effective Date	Names of Amalgamating Corporations
EATON BAY FINANCIAL SERVICES LIMITED SERVICES FINANCIERS EATON BAIE LIMITEE	582380	Mar. 31, 1984	Eaton Bay Financial Services Limited Eaton/Bay Tax Services Limited Eaton Bay Properties Limited
ESSEEJAY INVESTMENT CORPORATION	581670	April 1, 1984	Esseejay Investment Corporation 476592 Ontario Limited
EVENSTAR DEVELOPMENTS INC. ...	582420	Mar. 30, 1984	Evenstar Developments Inc. Sunville Homes Inc.
E.S. FOX LIMITED	582208	Mar. 31, 1984	E. S. Fox Limited 250694 Rentals Limited
FREAD CONSTRUCTION LIMITED ...	582468	Mar. 30, 1984	Fread-Kassian Investments Ltd. Fread Construction Limited
GEMINI FOOD CORPORATION	582471	Mar. 30, 1984	Gemini Food Corporation Gemini Farms Limited
GLOBAL SHELTER LTD.	582464	Mar. 30, 1984	364600 Ontario Inc. (formerly Merit Explorations Inc.) Global Shelter Ltd.
GRAPER HOLDINGS LIMITED	571459	Mar. 30, 1984	Graper Holdings Limited G.A.B. Holdings Ltd.
HALIBURTON DEVELOPMENTS LIMITED	564133	Mar. 31, 1984	Haliburton Developments Limited 469 Water Street (Peterborough) Limited Norden Building Products Limited
R. D. HAYES INTERNATIONAL INC. .	582538	April 2, 1984	R.D. Hayes International Inc. R.D. Hayes Limited
HUMPHREYS, MCCAW INC.	582404	Mar. 31, 1984	Humphreys, McCaw Inc. H M Equities Inc.
IBERICA BAKERIES LIMITED	582447	Mar. 30, 1984	Iberica Bakeries Limited 473854 Ontario Ltd.
INLINE LTD.	582438	Mar. 30, 1984	549308 Ontario Limited Inline Ltd.
MCAMREIN INVESTMENTS INC.	582303	Mar. 31, 1984	Mcamrein Investments Inc. 512145 Ontario Limited
MEDOC ESTATES LIMITED	582278	Mar. 30, 1984	Medoc Estates Limited 559807 Ontario Inc.
BARRY MOORE TRANSPORT LIMITED	582385	April 1, 1984	Mavis Truck Centre Ltd. 488004 Ontario Limited Barry Moore Leasing (Ontario) Ltd. Barry Moore's Cartage Limited
THE MURRAY GROUP LIMITED	582106	April 1, 1984	James D. Murray Holdings Incorporated Harriston-Mt. Forest Ready-Mix Limited Norwell Rental Limited
NEW TRANTOR DEVELOPMENTS LIMITED	582408	Mar. 30, 1984	New Trantor Developments Limited Krel Realty Developments Limited
NORMOUNT FARMS LTD.	571447	Mar. 29, 1984	Normount Farms Ltd. Sutherland Farms Ltd.

Name of Amalgamated Corporation	Ontario Corp. No.	Effective Date	Names of Amalgamating Corporations
ONTARIO BUS INDUSTRIES INC.	582382	April 1, 1984	Ontario Bus Industries Inc. Ontario Bus & Truck Industries Inc. Ontario Bus and Truck Sales Ltd.
OUT OF CONTROL LIMITED	582196	Mar. 28, 1984	Out of Control Limited The Hotter the Flame Productions Ltd.
RENOVAY INVESTMENTS LIMITED ..	582115	April 1, 1984	Renovay Investments Limited S.C.E. Holdings Ltd.
RAPID BLUE PRINT LIMITED	582296	Mar. 29, 1984	Rapid Blud Print Limited Rapid Blue Print (Kitchener) Limited Rapid Blue Print (Toronto) Limited Delaware Trading Company Limited
RAYMOND STEEL LTD.	582441	Mar. 31, 1984	Raymond Steel Ltd. Rhodes-Vaughan Reinforcing Limited
RJK HOLDINGS LIMITED	582204	Mar. 31, 1984	RJK Holdings Limited Keelans Limited
SCARBOROUGH CANVAS FABRICATORS LIMITED	582439	Mar. 31, 1984	Scarborough Canvas Fabricators Limited 482963 Ontario Inc.
DONALD K. SHEARDOWN HOLDINGS LIMITED	582381	April 1, 1984	Donald K. Sheardown Holdings Limited Sheardown Tire Limited
SING TAO NEWSPAPERS (CANADA) LIMITED	582483	Mar. 30, 1984	Sing Tao Newspapers (Canada) Limited Cancom Media Consultants Ltd.
STEREODYNE LIMITED	582426	Mar. 31, 1984	Stereodyne Limited Dynapak Records Manufacturing Limited
SWALM'S ELECTRIC LIMITED	582152	Mar. 27, 1984	Swalm's Electric Limited The Great American Sound Corporation
UNIWOOD MANAGEMENT LIMITED .	582423	Mar. 30, 1984	Uniwood Management Limited Preservation Properties Limited
SYD A. VINCE INSURANCE LIMITED .	582455	Mar. 31, 1984	Syd A. Vince Insurance Limited 582184 Ontario Inc.
WEHLAU PROPERTIES LTD.	582477	Mar. 30, 1984	Wehlau Properties Ltd. Marburg Holdings Ltd.
WELLER PUBLISHING COMPANY LIMITED	582440	Mar. 31, 1984	Weller Publishing Company Limited 531980 Ontario Limited 499819 Ontario Limited Cafe Investments Ltd.

Certificates of Continuance

NOTICE IS HEREBY GIVEN that a certificate of continuance under the *Business Corporations Act*, has been endorsed:

Name of Corporation	Ontario Corp. No.	Effective Date	Registered Office
A.T.J. CARPENTRY LTD.	579632	April 2, 1984	Gloucester
CANCOM MEDIA CONSULTANTS LTD.	581905	Mar. 30, 1984	Toronto
CAPITAL MACK INC. (formerly 127607 Canada Ltd.)	581838	Mar. 29, 1984	Ottawa
TRISTRAM RESOURCES LTD.	581904	Mar. 29, 1984	Toronto
WESTERN AGRI-SERVICES LTD.	581854	Mar. 27, 1984	Toronto

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Transfer of Ontario Corporations

NOTICE IS HEREBY GIVEN that, under the *Business Corporations Act*, an authorization to make an application for an instrument of continuance outside Ontario, has been given to:

Name of Corporation	Ontario Corp. No.	Effective Date	Jurisdiction Where Applying
CANADA GEOTHERMAL OIL LTD.	49198	April 2, 1984	Alberta
FILMPRO COMPLETION GUARANTORS INC.	454656	Mar. 28, 1984	Canada
FOUNDATION PRESS LIMITED	258586	Mar. 28, 1984	Canada
KENMANOR INVESTMENTS LIMITED	241899	Mar. 28, 1984	Canada
LANSVIEW RESOURCE CORPORATION	363186	Mar. 29, 1984	British Columbia
PREMIUM EQUITY CORPORATION	48160	Mar. 28, 1984	British Columbia
TERRAPLAN BUILDERS (ONTARIO) INC.	310825	Mar. 28, 1984	Canada

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Restated Certificates of Incorporation

NOTICE IS HEREBY GIVEN that a restated certificate of incorporation under the *Business Corporations Act*, has been endorsed:

Name of Corporation	Ontario Corp. No.	Effective Date
EGRABAL HOLDINGS LIMITED	207625	Mar. 28, 1984
RAPID PHOTO SHOPS LTD.	284934	Mar. 28, 1984
FRED SCHAEFFER & ASSOCIATES LTD.	423139	Mar. 29, 1984
ST. JACOBS CUSTOM POLISHING LIMITED	249439	Mar. 22, 1984

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Amendments to Articles

NOTICE IS HEREBY GIVEN that, under the *Business Corporations Act*, amendments to articles have been effected as follows:

Name of Corporation	Ontario Corp. No.	Effective Date
A.S.W. COMPUTER SYSTEMS LTD.	415733	Mar. 27, 1984
ACERNUS INVESTMENTS LIMITED	578000	Mar. 29, 1984
AGRI COMMODITIES LIMITED MARCHANDISES AGRI LIMITED	580368	Mar. 27, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
AHI INDUSTRIES LTD. (formerly Hasbro Ontario Limited)	573773	Mar. 27, 1984
AISHA ENTERPRISES LIMITED	506428	Mar. 29, 1984
ALANNA VAN DEMARK COSMETICS LTD. LES COSMETIQUES AL ANNA VAN DEMARK LTEE. (formerly Alanna Van Demark Cosmetics Ltd.)	549334	Mar. 28, 1984
ALBIAN SALES & MARKETING LTD. (formerly 576632 Ontario Limited) .	576632	Mar. 29, 1984
M. ALTMAN MANAGEMENT CONSULTING INC. (formerly M. Altman & Associates Management Consultants Inc.)	250050	Mar. 27, 1984
AMBERON INC. (1984) (formerly 496054 Ontario Inc.)	496054	Mar. 30, 1984
FRANCIS ARMSTRONG HOLDINGS LIMITED (formerly Leda Refrigeration Limited)	246395	Mar. 30, 1984
ANGLO AMERICAN CORPORATION OF CANADA INC.	482895	Mar. 28, 1984
ARNOTT INSURANCE BROKERS LIMITED (formerly Arnott Insurance Agency Limited)	240655	Mar. 28, 1984
ART IMPORTS (AFRICA) LTD.	468542	Mar. 27, 1984
ATLAS YELLOWKNIFE RESOURCES LIMITED	50099	April 2, 1984
BAKKER'S GARDEN CENTRE LIMITED	563257	Mar. 30, 1984
BDP BUSINESS DATA PROCESSING LIMITED	357208	Mar. 30, 1984
BEAVERTON MARINA LIMITED	443246	April 2, 1984
BELLFORD INVESTMENTS INC. (formerly Sabro (Ontario) Limited)	563696	Mar. 28, 1984
BELLIBON INC. (formerly Le Souffle Ltd.)	398699	Mar. 30, 1984
BENNETT MECHANICAL INSTALLATIONS LTD.	470601	Mar. 29, 1984
BEOWOLFE INVESTMENTS LIMITED	143003	April 2, 1984
BERRN RESEARCH LTD.	440714	Mar. 19, 1984
BFS ADVERTISING INC. (formerly Brian Salter Marketing Inc.)	341312	April 2, 1984
BILLIKATE HOLDINGS LIMITED	441527	Mar. 30, 1984
BROOKLIN WATER CONDITIONING INC. (formerly Quik Bite Foods Inc.)	472570	Mar. 28, 1984
BURNS FRY CORPORATION	576781	Mar. 30, 1984
BUSINESS VENTURECO INC.	426834	Mar. 29, 1984
BUTLER & BAIRD LUMBER LIMITED	70306	Mar. 28, 1984
CALTOR MANAGEMENT INC.	559341	Mar. 30, 1984
CAMBRIAN TRI DONT MANAGEMENT INC. (formerly Tri Dont Cambrian Management Inc.)	542323	Mar. 30, 1984
CAN-ETH RESOURCES INC.	449861	Mar. 23, 1984
CANADIAN HOME & RENOVATION TEAM INC.	511106	Mar. 26, 1984
CAP COMMUNICATIONS LIMITED	446462	Mar. 28, 1984
CARDINAL BUSINESS PRODUCTS INC. (formerly Nelson Burns & Co. Limited)	124795	Mar. 30, 1984
CARLMOR MECHANICAL LTD.	525128	Mar. 30, 1984
CAVA'S JEWELLERS LIMITED	376306	Mar. 29, 1984
CEDAROCK PRINTING LTD.	536119	Mar. 27, 1984
COLDWELL BANKER CANADA INC.	536937	Mar. 27, 1984
COLLABORATION CONSTRUCTIO LTD.	540710	Mar. 28, 1984
COLUMBIA FINISHING MILLS, LIMITED	139283	Mar. 28, 1984
COLVIR RESTAURANTS LTD.	436798	Mar. 28, 1984
COMTRAV INTERNATIONAL INC. (formerly Free In Easy Travel Inc.) ..	368100	Mar. 29, 1984
CONCERT DEVELOPMENTS LIMITED	520317	April 2, 1984
CONCORD MANUFACTURING CORPORATION	533415	Mar. 28, 1984
CORRIDOR TRANSPORT LTD. (formerly 536612 Ontario Limited)	536612	Mar. 29, 1984
COUNTRY CABINETS INCORPORATED	450454	Mar. 30, 1984
COUNTRY FARE MARKET LTD.	318811	Mar. 27, 1984
CRESON INVESTMENTS LIMITED	225464	Mar. 30, 1984
CROWNTREK SBDC INC. (formerly 558704 Ontario Ltd.)	558704	Mar. 30, 1984
CRYSTAL BEACH PARK LIMITED	569767	Mar. 29, 1984
DAGE INVESTMENTS LIMITED	153793	Mar. 31, 1984
THE DANN FINN ORGANIZATION LIMITED	496965	April 2, 1984
DAVRED INVESTMENTS INC. (formerly Fred Schaeffer & Associates Inc.)	223204	Mar. 29, 1984
DEEM MANAGEMENT SERVICES LIMITED	338028	Mar. 30, 1984
DERLAN INDUSTRIES LIMITED	582268	Mar. 30, 1984
DEXTROUS HOLDINGS LTD. (formerly 580130 Ontario Limited)	580130	Mar. 27, 1984
DIMENSION FURNITURE LTD.	563995	Mar. 27, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
DISTINCTIVE GRAPHICS CANADA LIMITED	275709	April 2, 1984
DIXON & BROWNE INSURANCE BROKERS LTD. (formerly Dixon & Browne Insurance Agency Ltd.)	235226	Mar. 27, 1984
DOBMOR INVESTMENTS INC.	490357	April 2, 1984
DOMINION CORRUGATED PAPER INC.	35549	Mar. 28, 1984
DOYLE BLOODSTOCK TRANSPORTATION INCORPORATED	558041	Mar. 28, 1984
DWJ DECOR CONSULTANTS LTD. (formerly David Weisfeld Holdings Ltd.)	498670	Mar. 27, 1984
EARTH BORING CO. LIMITED	90154	Mar. 28, 1984
EAST KENT FARMS LIMITED	209402	Mar. 30, 1984
EASTMARSH INVESTMENTS LIMITED	471109	April 2, 1984
EASY-PLAN FURNITURE LIMITED	312211	Mar. 28, 1984
EGRABAL HOLDINGS LIMITED	207625	Mar. 27, 1984
EM HELICOPTER MINERAL SURVEYS INC.	527762	Mar. 29, 1984
ERILIN INVESTMENTS INC.	581313	Mar. 22, 1984
ESTEE DATA PRODUCTS INC.	576783	Mar. 28, 1984
F.G.L. PRECISION WORKS LIMITED	141956	Mar. 30, 1984
FERNANDO ARAUJO IMPORT & EXPORT INC.	399437	Mar. 30, 1984
FINLAY GREENWOOD INC.	572854	Mar. 30, 1984
FINLAY GREENWOOD INC.	572854	Mar. 29, 1984
FINLAY GREENWOOD INC.	572854	Mar. 29, 1984
FINNCO HOLDINGS INC.	495198	April 2, 1984
FIRST HERITAGE CAPITAL CORPORATION	386348	Mar. 30, 1984
FLAIR CANADA LIMITED (formerly Flair Hydronics (Canada) Limited) ...	151927	Mar. 30, 1984
FLOPSY'S EASTER GRASS INC.	576478	Mar. 28, 1984
FOGH SAILS HOLDINGS LIMITED	495780	Mar. 27, 1984
J. J. FOX CONSULTANTS LIMITED (formerly Fox Consultants Inc.)	574996	April 2, 1984
FRIZINGHALL CONSULTANTS LIMITED	508311	Mar. 30, 1984
GORDON FRASER GALLERY (CANADA) LTEE./LTD.	433043	Mar. 28, 1984
GEM-20-30 FOOD STORES INC.	390185	Mar. 28, 1984
GENSAT COMMUNICATIONS CORPORATION (1984) (formerly Amberon Inc.)	572557	Mar. 29, 1984
GEORGE BIST DESIGNER LIMITED	142794	Mar. 28, 1984
THE GEORGIAN BUILDING CORPORATION	498271	Mar. 30, 1984
THE GEORGIAN DEVELOPMENT CORPORATION	465299	Mar. 30, 1984
GEORGIAN EQUITY CORPORATION	371151	Mar. 30, 1984
THE GEORGIAN GROUP INC.	482451	Mar. 30, 1984
GINGRICH'S CUSTOM MEATS LTD.	429596	Mar. 28, 1984
GLEN BROOK HOLDINGS INCORPORATED	267016	Mar. 30, 1984
GLENDALE EQUITIES LIMITED	337338	Mar. 30, 1984
GLENDOR TRADING LIMITED	143009	Mar. 27, 1984
GOLDENVILLE EXPLORATIONS LIMITED	517334	Mar. 30, 1984
GRAPER HOLDINGS LIMITED	355535	Mar. 30, 1984
H.J.M. INSURANCE BROKERS INC.	499543	Mar. 28, 1984
H. HARDING & SON INC. (formerly Harding Display Corporation)	580310	Mar. 28, 1984
JOHN T. HEPBURN, LIMITED	19824	April 2, 1984
HINSPERGERS HOLDINGS LTD.	563481	Mar. 30, 1984
HLINKA STUDIOS LIMITED (formerly 442181 Ontario Inc.)	442181	Mar. 30, 1984
J. HOFFMAN & SONS LIMITED	228952	Mar. 26, 1984
HOLLAND RIVER INVESTMENTS LIMITED	247700	Mar. 30, 1984
HURON BROADCASTING LIMITED	336955	April 2, 1984
I.B.S. COMMUNICATIONS LIMITED	480873	Mar. 28, 1984
INTEGRATED ENERGY DEVELOPMENT CORP. (formerly Bruce Industrial Land Development Corp.)	551670	Mar. 30, 1984
INTERMETCO LIMITED	494343	Mar. 29, 1984
J.N.O.Z. ONTARIO LIMITED	446659	Mar. 27, 1984
JACKSON, TAMM, ASSOCIATES DESIGN LTD. (formerly Jackson, Starcevich, Associates Renovations Ltd.)	529587	Mar. 26, 1984
JUHOR IMPORT COMPANY LIMITED	371480	Mar. 27, 1984
JUHOR MEAT MARKET AND DELICATESSEN LIMITED	411238	Mar. 27, 1984
KAHONA HOLDINGS LIMITED	441631	Mar. 30, 1984
KELLER AND ASSOCIATES MECHANICAL CONTRACTORS INC. (formerly 313187 Ontario Ltd.)	313187	Mar. 30, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
KELLEY & COSFORD INVESTMENTS LIMITED (formerly Beaver Wholesale Pipe & Fittings Ltd.)	361573	Mar. 29, 1984
KENORA TEXTILES LIMITED	534669	Mar. 30, 1984
KERSTENDALE FARMS LIMITED (formerly 573671 Ontario Inc.)	573671	Mar. 27, 1984
KFP ENVIRONMENTAL EQUIPMENT LIMITED	261776	Mar. 28, 1984
KIGA INVESTMENTS INC.	573403	Mar. 28, 1984
THE LAMP & SHADE STUDIO (TORONTO) LIMITED	137572	Mar. 23, 1984
LANDMARK GREEN DEVELOPMENT CORPORATION (formerly The Foxglove Development Corporation)	573676	April 2, 1984
KIM K. LEWIS INDUSTRIAL SERVICES INC. (formerly Earl Markham Limited)	278550	Mar. 29, 1984
LOEWEN, ONDAATJE, MCCUTCHEON SECURITIES LIMITED (formerly Martonmere Securities Limited)	354163	April 2, 1984
LORENZO'S FAMILY HOLDING COMPANY LTD.	480567	April 2, 1984
LORIE RESOURCES INC.	51565	April 2, 1984
M.S.K. DEVELOPMENTS LIMITED	248277	Mar. 29, 1984
MACLEAN HUNTER HOLDINGS LIMITED (formerly Maclean-Hunter Holdings Limited)	317611	Mar. 28, 1984
R.G. MACLEOD CONSULTANTS INC.	398540	Mar. 28, 1984
MARCI LIPMAN'S COLLECTIBLE T'S INC. (formerly 578846 Ontario Limited)	578846	Mar. 30, 1984
MARKLAND AGRI-SYSTEMS INC	558329	Mar. 30, 1984
MARLIN RESOURCES INC. (formerly Marlin Mines Ltd.)	437894	Mar. 28, 1984
MARMAC RESOURCES LIMITED	429971	Mar. 30, 1984
THE MCCAW INTERESTS INC. (formerly The McCaw Group of Hamilton Inc.)	270628	Mar. 30, 1984
BRUCE MCLARTY LIMITED	232353	Mar. 28, 1984
ROY MEADOWS INSURANCE BROKERS INC.	531981	Mar. 27, 1984
MELVILLE HEATING (STRATFORD) LTD.	206157	Mar. 30, 1984
MERCEY FAMILY HOLDINGS LIMITED	424465	Mar. 26, 1984
MICHELINE LAMP SHADES STUDIO LIMITED	269967	Mar. 28, 1984
MILLANOVIC IMPORT COMPANY LIMITED	441507	Mar. 27, 1984
MORGRO HOLDINGS LIMITED (formerly Alan Grosman Industries Limited)	307999	Mar. 30, 1984
MORRISON DISTILLERS LTD.	503567	Mar. 23, 1984
MOSLEY INSURANCE BROKER LIMITED (formerly Mosley Insurance Agency Limited)	137076	Mar. 28, 1984
MOUNTAIN SPORTS LIMITED	342824	Mar. 22, 1984
MULTI-TECH SERVICES INC. (formerly 581745 Ontario Limited)	581745	Mar. 30, 1984
MYMORE HOLDINGS LIMITED	131876	Mar. 28, 1984
N R S NORTH CENTRAL LTD. (formerly M.R. Allison Real Estate Limited)	308136	Mar. 27, 1984
NANCY'S DRAPERY LTD. (formerly Nancy's Discount Drapery Ltd.)	278495	Mar. 26, 1984
NAVRO INC. (formerly 519862 Ontario Limited)	519862	Mar. 30, 1984
NOEL MANAGEMENT LTD.	486944	Mar. 28, 1984
NOIK BUILDING CORPORATION (formerly Luga Investments Inc.)	481015	Mar. 23, 1984
NORLITE FLIGHT CENTRE LTD. (formerly Norlite Adventures Flight Centre Ltd.)	550882	Mar. 27, 1984
NOVOPHARM LIMITED	517303	Mar. 30, 1984
NYAMAT INVESTMENTS LIMITED	438508	Mar. 29, 1984
ONTARIO SAUNA SALES LIMITED (formerly L.H. Custom Equipment Inc.)	410060	Mar. 28, 1984
PALMACCHIO HOLDINGS INC. (formerly Bacci Hairdesign Inc.)	554763	Mar. 27, 1984
PANTON DISTRIBUTING LIMITED	122206	Mar. 30, 1984
PAPERBOARD INDUSTRIES CORPORATION	435762	Mar. 30, 1984
PAPERBOARD INDUSTRIES CORPORATION LES EMBALLAGES DE PAPIER INC. (formerly Paperboard Industries Corporation)	435762	Mar. 30, 1984
PCCL CONSULTING INC.	556948	Mar. 27, 1984
PHILMA CONSULTANTS LIMITED	308116	Mar. 23, 1984
PILLAR HOLDINGS CORPORATION (formerly 342148 Ontario Limited)	342148	Mar. 30, 1984
POLESTAR MAGNETRONICS INC.	555352	Mar. 29, 1984
POLYGON MANUFACTURING CORPORATION (formerly Polygon Machine and Tool Limited)	143747	Mar. 29, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
PRESQU'ILE INVESTMENT CORPORATION	572430	Mar. 29, 1984
PRISMATIC PHOTO-LAB LIMITED	236466	Mar. 30, 1984
PROFESSIONAL ANNUITY SERVICES INSURANCE AGENCIES INC. (formerly Professional Annuity Services Inc.)	574675	Mar. 28, 1984
QUINTE DISTRIBUTING CO DESERONTO LTD	500842	Mar. 12, 1984
RAPID PHOTO SHOPS LTD.	284934	Mar. 27, 1984
RECHIA PREPAK LIMITED	313405	Mar. 29, 1984
RE/MAX A.T.C. REALTY LTD. (formerly Robert Bryer Limited)	471293	Mar. 29, 1984
REG HERMAN & ASSOCIATES LIMITED	398532	April 2, 1984
RIDEAU FOREST DEVELOPMENT LTD. (formerly 561430 Ontario Inc.) ..	561430	Mar. 28, 1984
ROCKRIMMON INVESTMENT CORPORATION	490373	Mar. 30, 1984
ROLLINGPARKE LIMITED	337339	Mar. 30, 1984
ROMAN CORPORATION LIMITED	154591	April 2, 1984
RORERO LIMITED	582350	April 2, 1984
ROYAL PANTRY RESTAURANTS LTD.	474421	Mar. 27, 1984
D. RUNIONS ASSOCIATES LIMITED	409343	Mar. 29, 1984
RYCAM HOLDINGS LIMITED	147190	Mar. 27, 1984
SACHETTE LIMITED (formerly Regence Holdings Ltd.)	447108	Mar. 27, 1984
SAMBUC HOLDINGS LIMITED (formerly Sam Bucovetsky Stores Limited)	63180	Mar. 26, 1984
SAPPERS BRIDGE RESTAURANT LTD. (formerly 561276 Ontario Inc.) ...	561276	Mar. 29, 1984
SAUNBY'S MILL RESTORATION COMPANY INC. (formerly Ideas Hairstyling Inc.)	383760	Mar. 26, 1984
SILLMAN COMPANY (CONSTRUCTION) LIMITED	402148	Mar. 27, 1984
SIMI-SELLING INTERNATIONAL MARKETING IDEAS LTD.	304697	Mar. 28, 1984
SIMNAR INC.	351162	Mar. 27, 1984
SKINNER SPORTS (1976) LIMITED	333611	Mar. 29, 1984
SOURCE TELEVISION PRODUCTIONS INC.	366842	Mar. 29, 1984
SOUTH LANARK INVESTMENTS LIMITED	468739	Mar. 29, 1984
SPINDLE TOP ENERGY & RESOURCES INC.	234095	Mar. 30, 1984
SPRUCEDALE AGROMART LIMITED	376166	Mar. 28, 1984
STEELCASE CANADA LIMITED	76225	Mar. 27, 1984
SUMIC HOLDINGS INC. (formerly 468403 Ontario Limited)	468403	Mar. 28, 1984
SUN VALLEY ID., & RED LAKE RESOURCES LTD. (formerly Lennie Red Lake Gold Mines Limited)	51814	Mar. 29, 1984
SUPERPICS PHOTO CENTER LTD (formerly Superpics One Hour Photo Ltd)	566053	Mar. 22, 1984
T.O.C. INVESTMENTS LTD. (formerly Fanciful Franks Inc.)	573458	Mar. 29, 1984
TAYCOTRONICS INC.	316866	Mar. 27, 1984
TEAL PAINTERS LTD.	291348	Mar. 28, 1984
TEKNOR PLASTICS INCORPORATED	412620	Mar. 27, 1984
TORHAVEN INVESTMENTS LTD.	387198	Mar. 29, 1984
TORONTO COLLEGE STREET CENTRE LIMITED	435147	April 2, 1984
TOWNSCAPE PRODUCTS (CANADA) LIMITED	488447	Mar. 27, 1984
TRIANGLE EXPLORATIONS LIMITED	315545	Mar. 30, 1984
TUBERATE & BESOMAR COMPANY, LTD. (formerly Townsend and Bottum - Besomar Inc.)	527457	Mar. 27, 1984
UNILITE INDUSTRIES LIMITED	544270	Mar. 29, 1984
V-LINE INDUSTRIES INC. (formerly Orio's Truck - Trailer Rentals Ltd.) ..	515808	Mar. 29, 1984
VACATION INNS INC. (formerly 544280 Ontario Limited)	544280	Mar. 28, 1984
HERBERT J. VANDEWALL & ASSOCIATES LTD. (formerly Forfus Inc.) ..	556505	April 2, 1984
VERTICALS INTERNATIONAL PRODUCTS LTD.	515869	Mar. 26, 1984
VINELAND PLAZA LIMITED	116274	Mar. 29, 1984
WATT & WALLACE LIMITED	113224	Mar. 30, 1984
WEIL COMPANY LIMITED	116943	April 2, 1984
WEIL HOLDINGS LIMITED	469697	April 2, 1984
WHISPERING HILLS FARMS INC.	505276	Mar. 29, 1984
WHITBY INSULATION LIMITED	371727	Mar. 27, 1984
DAVE WILKINSON ELECTRIC (1982) LIMITED	501045	Mar. 27, 1984
WILLARD FISHER WELDING LIMITED (formerly Stayner Welding Limited)	291123	Mar. 30, 1984
WILLOWGLEN INVESTMENTS LIMITED	405582	Mar. 30, 1984
WILSON TIRE & BATTERY (LINDSAY) LIMITED	311281	Mar. 30, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
WINDET HOTEL CORPORATION (formerly 579282 Ontario Limited)	579282	Mar. 29, 1984
WINFERS INVESTMENT CORPORATION LTD.	517528	Mar. 29, 1984
W.R. WINSER HOLDINGS (1983) LTD.	289293	Mar. 30, 1984
WOODWAY RESOURCES LIMITED	497130	Mar. 30, 1984
YONGE-RICHVALE INVESTMENTS LIMITED	314197	Mar. 26, 1984
ZYMAIZE INC.	390103	Mar. 30, 1984
219341 ONTARIO LIMITED (formerly Multi-Tech Services Limited)	219341	Mar. 30, 1984
253595 INVESTMENTS LIMITED	253595	Mar. 28, 1984
286714 ONTARIO LIMITED	286714	Mar. 23, 1984
288215 ONTARIO LIMITED (formerly Sea Mark Industries Inc.)	288215	Mar. 28, 1984
288753 ONTARIO INC. (formerly Franklin Travel Limited)	288753	Mar. 23, 1984
307985 ONTARIO INC. (formerly Huntsville Real Estate (Rick Watts) Limited)	307985	Mar. 29, 1984
331553 ONTARIO INC. (formerly Team Sports & Trophies Inc.)	331553	Mar. 29, 1984
338941 ONTARIO LIMITED (formerly Tel Trade Show Services Incorporated)	338941	Mar. 30, 1984
361596 ONTARIO LIMITED	361596	Mar. 29, 1984
411325 ONTARIO INCORPORATED	411325	Mar. 23, 1984
413527 ONTARIO LIMITED	413527	Mar. 29, 1984
416223 ONTARIO INC. (formerly E P Instrumentation Inc.)	416223	Mar. 30, 1984
437403 ONTARIO LTD.	437403	April 2, 1984
459390 ONTARIO LTD.	459390	Mar. 26, 1984
469646 ONTARIO LTD.	469646	Mar. 28, 1984
476829 ONTARIO LIMITED	476829	Mar. 27, 1984
477266 ONTARIO LIMITED	477266	Mar. 28, 1984
484208 ONTARIO INC. (formerly Gensat Communications Corp.)	484208	Mar. 29, 1984
487997 ONTARIO LIMITED	487997	Mar. 30, 1984
488828 ONTARIO LIMITED	488828	Mar. 28, 1984
505212 ONTARIO LIMITED (formerly Ferrisview Electronics Limited)	505212	Mar. 29, 1984
505726 ONTARIO LIMITED	505726	Mar. 27, 1984
535698 ONTARIO LIMITED	535698	Mar. 26, 1984
537090 ONTARIO LIMITED	537090	Mar. 28, 1984
537372 ONTARIO LIMITED	537372	Mar. 27, 1984
538195 ONTARIO LTD.	538195	Mar. 30, 1984
538412 ONTARIO INC.	538412	Mar. 26, 1984
544588 ONTARIO LIMITED	544588	Mar. 28, 1984
552787 ONTARIO LIMITED	552787	Mar. 30, 1984
555638 ONTARIO INC.	555638	Mar. 28, 1984
559738 ONTARIO LTD.	559738	Mar. 27, 1984
571782 ONTARIO LIMITED	571782	April 2, 1984
574425 ONTARIO LIMITED	574425	Mar. 29, 1984
576176 ONTARIO LIMITED	576176	Mar. 28, 1984
578889 ONTARIO LIMITED	578889	Mar. 28, 1984
579519 ONTARIO LTD.	579519	Mar. 28, 1984
579537 ONTARIO LIMITED	579537	Mar. 29, 1984
579538 ONTARIO LIMITED	579538	Mar. 29, 1984
7132 ONTARIO LIMITED (formerly A. Hastings Electric Maintenance Limited)	7132	Mar. 30, 1984

Supplementary Letters Patent Issued

NOTICE IS HEREBY GIVEN that, under the *Corporations Act*, Supplementary Letters Patent have been issued to:

Name of Corporation	Ontario Corp. No.	Effective Date
CASSELMAN NON-PROFIT HOUSING CORPORATION – CORPORATION DE LOGEMENT A BUT NON-LUCRATIF DE CASSELMAN	540948	Mar. 22, 1984
THE COL. JOHN MCCRAE BIRTHPLACE SOCIETY	148420	Mar. 23, 1984
DRYDEN DISTRICT CONSERVATION CLUB	463038	Feb. 15, 1984
PICKERING GOLF CLUB LIMITED	75473	Mar. 28, 1984
TILLSONBURG DISTRICT CRAFT GUILD	540319	Mar. 21, 1984
PRESS CLUB OF WINDSOR (The Windsor Men's Press Club)	107667	Mar. 20, 1984

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Articles of Revival

NOTICE IS HEREBY GIVEN that, certificates of revival under the *Business Corporations Act*, have been endorsed reviving the following corporations:

Name of Corporation	Ontario Corp. No.	Effective Date
ANGIE'S DEVELOPMENT ENTERPRISES INC.	334324	Mar. 30, 1984
CAN-JAM HOLDINGS LTD	298114	Mar. 28, 1984
A. S. DUNN AND COMPANY LIMITED	113047	Mar. 27, 1984
EASTVIEW SAND AND GRAVEL LIMITED	152972	Mar. 29, 1984
ROSS FINE HOMES LTD	360755	Mar. 27, 1984
THEODORE HOLDINGS LIMITED	132065	Mar. 28, 1984

(4522) 16

E. J. WELLS, LL.B.,
Director, Companies Branch.

Orders Reviving Corporate Powers

NOTICE IS HEREBY GIVEN that, under the *Corporations Act*, an order has been issued reviving the corporate powers of:

Name of Corporation	Ontario Corp. No.	Date of Order
FORT FRANCES NURSERY SCHOOL INC.	358499	Mar. 23, 1984
LEBRETON FLATS CITIZENS' DEVELOPMENT CORPORATION	346535	Mar. 26, 1984

(4523) 16

E. J. WELLS, LL.B.,
Director, Companies Branch.

Extra-Provincial Licences Issued

NOTICE IS HEREBY GIVEN that, under Part VIII of the *Corporations Act*, Licences have been issued to the following corporations:

Name of Corporation	Ontario Corp. No.	Jurisdiction of Incorporation	Date of Licence
BUTTONS GOLD MINES LTD.	581807	British Columbia	Mar. 23, 1984
CHARGER RESOURCES (U.S.) LTD.	557702	British Columbia	Mar. 14, 1984
FORTY-NINER PROPERTIES LTD.	581806	British Columbia	Mar. 22, 1984

Name of Corporation	Ontario Corp. No.	Jurisdiction of Incorporation	Date of Licence
GALVESTON PETROLEUMS LTD.	580985	British Columbia	Mar. 21, 1984
H.J. COUMANS B.V.	581834	Netherlands	Mar. 23, 1984
JOHN HAU INVESTMENT COMPANY LIMITED ..	580865	Nova Scotia	Mar. 27, 1984
KRUEGER AIR (CANADA), LTD.	579651	Arizona	Mar. 22, 1984
LUNAR RESOURCES LTD.	553717	British Columbia	Mar. 20, 1984
NIART ELECTRICAL AND CONSULTANTS LTD. .	581808	Alberta	Mar. 28, 1984
OLAN MILLS OF CANADA, INC.	581812	Delaware	Mar. 28, 1984
PUBLIC FREIGHTWAYS LTD.	262231	British Columbia	Mar. 16, 1984

(4524) 16

E. J. WELLS, LL.B.,
Director, Companies Branch.

Certificates of Dissolution

NOTICE IS HEREBY GIVEN that a Certificate of Dissolution under the *Business Corporations Act*, has been endorsed:

Name of Corporation	Ontario Corp. No.	Effective Date
BARCLAYS FINANCE CORPORATION	290847	Mar. 27, 1984
BAY CITY GRAPHICS LTD.	387128	Mar. 27, 1984
BCI REALTY LTD.	312281	Mar. 28, 1984
BEUGLET INSURANCE ADJUSTING LTD.	100748	Mar. 27, 1984
BROUWER & COMPANY (ONTARIO) GENERAL INSURANCE ADJUSTERS LTD.	437723	Mar. 28, 1984
ELECTRIC DRAGON LIMITED	245547	Mar. 29, 1984
ELECTRO-MUSICAL INDUSTRIES LIMITED	272309	Mar. 26, 1984
LBI PROPERTIES (CANADA) LIMITED	313477	Mar. 28, 1984
PANDORA MEDICAL MANAGEMENT LIMITED	338919	Mar. 23, 1984
RICHARD FIORAVANTI, LIMITED	206974	Mar. 21, 1984
SCARFONE & SONS LIMITED	123812	Mar. 23, 1984
STYLE BLEND TEXTILES LIMITED	209474	Mar. 29, 1984
SUNNYVIEW INVESTMENTS LIMITED	220381	Mar. 28, 1984
THE SECOND INTERNATIONAL CONFERENCE ON SURGERY OF THE SHOULDER LIMITED	518323	Mar. 27, 1984
TURNFLEX INC.	257782	Mar. 27, 1984
VALLEY FRONT FARMS INC.	488576	Mar. 27, 1984
113108 BAKING LIMITED	113108	Mar. 23, 1984
397206 ONTARIO LTD.	397206	Dec. 21, 1983
435202 ONTARIO INC.	435202	Mar. 22, 1984
451722 ONTARIO LIMITED	451722	Mar. 28, 1984

(4525) 16

E. J. WELLS, LL.B.,
Director, Companies Branch.

Surrender of Charter and Termination of Existence
(Corporations Act)

NOTICE IS HEREBY GIVEN that, an Order under section 319 or 320 of the *Corporations Act*, as the case may be, has been made accepting the surrender of the charter terminating the existence of the following corporation:

Name of Corporation	Ontario Corp. No.	Date of Order	Date of Dissolution
THE ELIZABETH RESIDENCE FOR ELDERLY LADIES	16733	Mar. 22, 1984	Mar. 22, 1984

(4526) 16

E. J. WELLS, LL.B.,
Director, Companies Branch.

Cancellations for Cause
(Business Corporations Act)

NOTICE IS HEREBY GIVEN that by Orders under section 239 of the *Business Corporations Act* the certificates set out hereunder have been cancelled for cause and in the case of certificates of incorporation the corporations have been dissolved:

Name of Corporation	Ontario Corp. No.	Type of Certificate Cancelled	Effective Date of Cancellation
BTE REALTY COMPANY LTD.	410484	Certificate of Incorporation	Feb. 10, 1984
COMPUTER RESALE CONSULTING (CANADA) LTD.	479437	Certificate of Amendment	April 11, 1983
HANOR SALES LIMITED	270594	Certificate of Incorporation	Feb. 10, 1984
MELBURN TRUCK LINES (TORONTO) CO. LIMITED	409527	Certificate of Dissolution	Feb. 8, 1984
YWP-YOUTH WORK PROGRAM INC.	555875	Certificate of Incorporation	June 22, 1983
423107 ONTARIO LIMITED (formerly Arodal Services (Ontario) Ltd.)	423107	Certificate of Amendment	Oct. 21, 1983
541589 ONTARIO LTD.	541589	Certificate of Incorporation	Feb. 18, 1983
544436 ONTARIO INC.	544436	Certificate of Incorporation	Mar. 21, 1983

E. J. WELLS, LL.B.,
Director, Companies Branch.

(4527) 16

Notice of Default in Complying with
the Corporations Tax Act

The Director has been notified by the Minister of Revenue that the following corporations are in default in complying with the *Corporations Tax Act*.

NOTICE IS HEREBY GIVEN under subsection 240 (1) of the *Business Corporations Act* that unless the corporations listed hereunder comply with the requirements of the *Corporations Tax Act* within 90 days of this notice, Orders will be made dissolving the defaulting corporations. All enquiries concerning this notice are to be directed to Corporations Tax Branch, Ministry of Revenue, 33 King Street West, Oshawa, Ontario, L1H 8H6.

Name of Corporation	Ontario Corp. No.
A. & F. CONTRACTING	446234
A. A. P. ENTERPRISES LIMITED	335231
AATCO TRAVEL CONSULTANTS LIMITED	424301
ABBEY MEADOWS INVESTMENT LTD.	457773
ACADEMY GARDENS LIMITED	200357
ACCO JANITOR SERVICES LIMITED	203102
AGRITRADE, INC.	336399
AIRWAY DEVELOPMENTS LIMITED	271083
AJAX T. V. LIMITED	203606
ALFRED WARIAS CONSTRUCTION LIMITED	134997
ALLAN KNOX SERVICE STATION LIMITED	220613
ALLAN STOLEE PARTNERS INC.	373965
AMBRO FIBERGLASS LIMITED	414913
AMI INVESTMENTS LIMITED	265923
AMYCUS LINES INC.	444784

Name of Corporation	Ontario Corp. No.
ANDY KEATS CARTAGE LIMITED	296423
ANDY'S REFRIGERATION LIMITED	271413
AQUARIUS TOYS INC.	420565
ARBCO TRANSPORT INC.	386030
AVANT-GARDE INVESTMENT CORPORATION	309214
AVERY-GRATTON ENTERPRISES LIMITED	449288
AVFRED HOLDINGS LTD.	388663
B.O.K. MACHINE WORKS LTD.	430048
BAIT UNLIMITED LTD.	385120
BARMAN INDUSTRIAL EQUIPMENT REPAIRS LTD.	385902
BARNWOOD CONSTRUCTION LIMITED	280684
BASE LINE SOLUTIONS (ONTARIO) INC.	447319
BATTRAM'S LAUNDRY LIMITED	56460
BEARSS APPLIANCE LIMITED	206169
BELLEVILLE TRAILER CENTRE LTD.	407983
BENCHMARK INTERNATIONAL PRODUCTIONS INC.	449283
BENTWORTH AUTOMOTIVE INC.	433381
BERNARD MCKINNON MARKETING LIMITED	422478
BILL DIXON ENTERPRISES LIMITED	360466
BLUE WATER BELLE CHARTER AGENCY LIMITED	446208
BOB & SHER HOBBY & CRAFT WORLD LIMITED	292282
BOGGS & ROWCLIFFE INC.	268448
BONACO TOTAL SERVICES LTD.	447309
BONDED MECHANICAL AND ELECTRICAL CONTRACTORS CO. LTD.	445851
BONITO & MANIACI BUSINESS AGENCY INC.	387759
BRAEBURNWOODS CO-OWNERSHIP LIMITED	391676
BRANDON LAUNDRY SERVICES LIMITED	330692
BRANDY HUTTON CORPORATION	424976
BREKIRMEG TECHNICAL SERVICES LTD.	346026
BRENTA CONTRACTING LIMITED	408470
BRITANNIA ELECTRIC CO. LTD.	290206
BRIXWORTH DEVELOPMENTS LIMITED	447644
BRONDALE INC.	297508
BROOKLEA GOLF AND COUNTRY CLUB LIMITED	292370
BRYLYN ELECTRICAL CONTRACTORS LTD.	420284
BUCYK CONSTRUCTION LTD.	446299
C.L. KELLY ENTERPRISES INC.	445900
CAMP SIX POINTS HALIBURTON HIGHLANDS INCORPORATED	392545
CANADA KITCHEN 'N COUNTER LIMITED	388482
CANADIAN LAKESHORE ESTATES LIMITED	280744
CANBEM INVESTMENTS LIMITED	359138
CAPCO INVESTMENTS LIMITED	231668
CAR-TAN FARMS LTD.	409172
CARADOC RAILING & WELDING LTD.	376220
CARILLION PRODUCTS CORPORATION LIMITED	278014
CAROLINE CARPET CLEANERS LIMITED	337962
CARVETIME LIMITED	402971
CASTLE BELMONT RESTORATIONS LTD.	422568
CERAMIC WORLD LTD.	336061
CHAPELTON ESTATES LIMITED	381167
CHATEAU GARDENS (ROCKWAY) INC.	406156
CHATHAM METAL FINISHING LIMITED	200140
CHERUB STUDIOS LIMITED	447345
CHESLOCK FOOD MARKET LIMITED	230551
CHRYSLIS INVESTMENTS LIMITED	288067
CHUMMY'S (CANADA) LIMITED	447526
CLARKHALL HOLDINGS INC.	410052
COLOSSUS DEVELOPMENT CORPORATION LIMITED	202020
CONTACT MACDONALD CO-ORDINATING SERVICES LIMITED	421054
CONTRACT MARKETING INC.	446048
COOL CUBES LIMITED	294178
CORE GROUP ENTERTAINMENT LIMITED	387823

Name of Corporation	Ontario Corp. No.
CORY'S PIZZA & TAVERN LTD.	448249
COURTLAND DAIRY BAR LIMITED	98488
CREATIVE MARBLE PRODUCTS LTD.	416631
CYRVILLE CLOTHING LIMITED	287669
D & D ANDERSON CARTAGE LIMITED	416324
D.J.T. ENTERPRISES LIMITED	250853
D'AMATO CONSTRUCTION COMPANY LIMITED	204432
DANNI INTERNATIONAL TRAVEL AGENCY LIMITED	127490
DAVESON SERVICES LTD.	447126
DAVETON CONSTRUCTION LTD.	354432
DAVIES COMMUNICATIONS INC.	447164
DAY UNION DEVELOPMENTS LIMITED	245594
DECOR BRASS LIMITED	368639
DELCREST HOMES INC.	270303
DESTINY FITNESS SERVICES LTD.	447872
DEVONIAN MANAGEMENT COMPANY	345706
DISASTER SAFE HOMES INT'L LTD.	484620
DONUT MANSION LIMITED	446579
DOUGLAS WATSON & ASSOCIATES LTD.	445160
DUFFERIN CAR WASH LIMITED	100440
E & R CONSULTANTS LTD.	221109
E.E. – PEE LIMITED	297887
EASTWICK MICROPRODUCTS LTD.	426451
ELDER'S BEVERAGES (1975) LTD.	309991
ELITE PAINTING AND DECORATING (LONDON) LIMITED	361827
ELLEN ELECTRIK COMPANY LTD.	421479
ELSEY ASSOCIATES LTD.	69160
EMBRUN FARMS LIMITED	210774
EMWIN HOLDINGS LIMITED	337575
ENERGY GENERATION PRODUCTS CORPORATION	337781
ERIC'S TRUCK SALES INC.	469086
ESSEX FASTENERS, LTD.	433211
ESTIATORION INVESTMENTS LIMITED	423509
EVANCO GLASS LTD.	433677
EVERLASTING CREATIONS OF LONDON INC.	418878
EXCAVATION LACROIX & LUSIGNAN (ONTARIO) LIMITED	389600
EXITT THERMOPLASTICS LTD.	449002
FAITH IRWIN SALES LTD.	306065
FANATASIA GIFT CREATIONS INC.	459726
FARNORTH ENTERPRISES & EQUIPMENT LIMITED	200233
FERNAT CONSTRUCTION CO. LIMITED	311915
FFB UNDERWATER PRODUCTIONS (TORONTO) LTD.	448186
FINEMORT INVESTMENTS LIMITED	344648
FOSCH LIMITED	408071
FOSTER FOTO GRAPHICS LIMITED	280417
FRASER BROS. FLORISTS LIMITED	222369
FUTURAMA CHESTERFIELD LIMITED	139685
G. A. HALVERSON LTD.	438699
GABRIEL'S HORN (LONDON) LTD.	421135
GALDO CONSTRUCTION COMPANY LIMITED	385719
GAMBIT CONSOLIDATED EXPLORATIONS LTD.	341034
GATEWAY TRAILER SALES LIMITED	237270
GAUNTLET MANAGEMENT SERVICES INC.	307118
GEEKAY EXPORT & IMPORT CANADA LIMITED	256658
GEFEN MARKETING INC.	386414
GEORGE NABLO REALTY LTD.	311680
GEORGINA MOTOR CAR CO. LTD.	446289
GERALD ECKERT PHOTOGRAPHY INC.	446503
GLOUCESTER RANGERS ENTERPRISES LIMITED	300739
GORDON HODGINS HOLDINGS LIMITED	300327
GRAND BEND INVESTMENTS LTD.	447332
GRANT PARKINSON AND ASSOCIATES INC.	273090

Name of Corporation	Ontario Corp. No.
GREAT EMERALD CONSTRUCTION COMPANY LIMITED	143398
H. NEILL JACKSON LIMITED	272646
HALLMARK WAREHOUSING & DISTRIBUTION LTD.	447557
HAMMERSMITH INVESTMENTS LIMITED	233387
HARFRAN INVESTMENTS LIMITED	250205
HARROW DECORATING CENTRE INC.	341571
HARVESTER CREEK DEVELOPMENTS LTD.	418273
HARVEY BACHER LIMITED	145924
HAVRO HOLDINGS LIMITED	243683
HI-LITE FURNITURE AND APPLIANCES INC.	435613
HICKS & LAWRENCE APPLICATORS LTD.	340093
HOWARD WILSON MOTORS LIMITED	153257
HUMPHRIES MOTORS LIMITED	93905
HUNTSVILLE REALTY LIMITED	135921
I. C. M. PUBLICATIONS LTD.	425565
I. P. CUMMING AND ASSOCIATES LTD.	422304
IMPARL INVESTMENTS LTD.	446135
IMPERIUM TRADING INC.	446281
INCUBUS MANAGEMENT INC.	445341
INDEPENDENT VERMICULTURE PRODUCTS INCORPORATED	449062
INTERIOR DECORATING SYSTEMS INC.	446613
IORI DRYWALL & GENERAL CONTRACTORS LTD.	447447
IZZY'S MEAT MARKET & DELI LIMITED	420573
J & W ROSE POTATOES LIMITED	290372
J. J. OUELLETTE ET FILS CONSTRUCTION LIMITED	376015
J. NASRO CO. LTD.	446550
J.A. FAYLE CLOTHING INC.	413678
J.V.Z. DEVELOPMENTS LTD.	448979
JAN-LEN INVESTMENTS LIMITED	385730
JARVIS DELIVERY SERVICE LIMITED	455836
JEAN FACTORY LTD.	302169
JOE FUSILLO ROOFING COMPANY LIMITED	302595
JOHN HEPPELL LIMITED	305931
JOHN L. SUTTON & ASSOCIATES LTD.	337225
JOHN R. BARKER LIMITED	295755
JOHN-SHERIDAN HOLDING COMPANY LTD.	375020
KARL WAGNER CONSTRUCTION LIMITED	383989
KASTORIA INVESTMENTS LIMITED	224573
KEEBROOK INVESTMENTS LTD.	391645
KIMBOLTEN DEVELOPMENTS LIMITED	447642
KINGDOM FURNITURE CENTER LIMITED	447050
KLA-HA-NEE ENTERPRISES LIMITED	221236
KOTTEN-SORENSEN LTD.	393046
KRYSTYNA'S ART STUDIO & GALLERIES LTD.	447275
KYNG COMPUTERIZED SYSTEMS LTD.	454439
LANA'S SHOES LIMITED	408166
LASERPHASE INC.	399536
LESLIE K. COMPANY INC.	370643
LIBERTY LEASEHOLDS LTD.	436018
LIMERIDGE INVESTMENTS LIMITED	434872
LLOYD FOOD DISTRIBUTORS LTD.	386166
LOBSTER TALE LTD.	447921
LOGICAL APPROACH LIMITED	446547
LOU'S DUFFERIN SERVICE CENTRE LIMITED	296743
LTD PRINTING LIMITED	264497
LUBA BACHEWICH DESIGNS INC.	446300
LUCKY ONE POP & MEAT MART LTD.	447031
LYLE THORNE GOLF COURSE LTD.	370240
M & A MANAGEMENT CONSULTANTS INC.	272545
M & M DRUG COMPANY LIMITED	270026
M. SCHMITT PAINTING LIMITED	329786
MAGNETIC PROMOTIONS LIMITED	256473

Name of Corporation	Ontario Corp. No.
MAGNETOR INC.	430211
MANTLESTONE HOME IMPROVEMENTS LTD.	418827
MARKERRY HOLDINGS LIMITED	380496
MARKHAM TACK AND RACING SUPPLIES LTD.	313012
MARWELL PLASTICS LIMITED	429762
MARYHILL DEVELOPMENTS LIMITED	202604
MATRIX ESSENTIALS OF CANADA, INC.	505385
MCCUBBIN'S MEN'S WEAR LIMITED	108864
MCMULLEN HAULAGE & LANDSCAPING LIMITED	292698
MEADOWSIDE DEVELOPMENTS LIMITED	447643
MEHT HUNT FARMS (ONTARIO) LIMITED	297951
MEXI-CO. INTERNATIONAL PRODUCTS LTD.	421389
MICROVUE PRODUCTS INC.	318227
MODE EQUITY CORP.	378411
MODERN STAR INVESTMENTS LIMITED	371643
MORBROW INVESTMENTS LTD.	447380
MR. KEITH'S CATERING SHOPS LIMITED	434540
MURRAY HUNTER REAL ESTATE LIMITED	119481
MYKONOS IMPORTS INC.	344738
N. D. DIMOFF REALTY INC.	402907
N.P.R. FOUNDRY LIMITED	448479
NIAGARA RACE CAR AUTOMOTIVE LIMITED	220637
NIAGARA RIVER INN LIMITED	385432
NORPORT LEASING & INVESTMENTS INC.	437960
NORTH AMERICAN TECHNOLOGIES INCORPORATED	443228
NOVA SEAL LIMITED	318871
NYDERDOWN CANADA LIMITED	262086
ONTARIO WHITE STAR PRODUCTS LIMITED	221148
OVERHEAD MANAGEMENT COMPANY LIMITED	285111
P & K ENTERPRISE INC.	446003
P & V COFFEE SHOPPE LIMITED	249608
P. CLARK DRYWALL (LONDON) LTD.	444226
PADA ENTERPRISES LIMITED	345271
PAMELA'S HIGH FASHION INC.	416934
PANGRAB LIMITED	138900
PARK-BELLAMY DEVELOPMENT GROUP INC.	478260
PEBBLE HILLS FARMS LTD.	431689
PETGINO INVESTMENTS LIMITED	288497
PHIL'S FURNITURE & APPLIANCE CENTRE LTD.	304100
PHILIPCHUK & POATE CONSTRUCTION CO. LTD.	401598
PILADORA COMPANY LIMITED	358441
PINEBAY INVESTMENTS LIMITED	209762
PLANCON LIMITED	299546
PLANNING SYSTEMS RESEARCH LIMITED	262726
POMLIN FILM CORPORATION	448164
POPEYES GOOD EATS LIMITED	445804
POWERQUIP LIMITED	345779
PRAIRIE PRIDE BEEF DISTRIBUTORS LIMITED	264483
PREPRINT MARKETING CORPORATION LIMITED	416973
PRIME WOOD INTERIORS LTD.	432757
PRO TRACE LIMITED	359280
PROPERTY CAPITAL DEVELOPMENT CORPORATION	384529
PUFF BALL INN, INCORPORATED	411819
QUEET-ARFF INVESTMENTS LTD.	360391
R. C. HADFIELD AGENCIES INC.	423922
R. J. SMITH COMMUNICATIONS INCORPORATED	439236
R. J. TOYE CONSTRUCTION COMPANY LIMITED	92038
R. T. T. DEVELOPMENTS LIMITED	363598
R.W. MCALLISTER & ASSOCIATES LIMITED	272422
R&L ENTERPRISES LTD.	460372
RAE'S TRANSPORT LTD.	446240
RAMROCK LIMITED	289249

Name of Corporation	Ontario Corp. No.
REALON CORPORATION LTD.	448742
RECREATIONAL HOMES SERVICE INC.	445878
REGINE'S FASHIONS INCORPORATED	402178
REICHARDT HOLDINGS LTD.	372183
REJAMED MANAGEMENT COMPANY LIMITED	405834
RENEE GALIOTO PRODUCTIONS INC.	448188
REX HESLOP HOLDINGS LIMITED	65033
REX HESLOP HOMES LIMITED	59629
REY-BONN INC.	469704
RICHARD MARCHAND ENTERPRISES LTD.	448954
RICHGROVE PLACE LIMITED	203315
RIVIERA PARK DEVELOPMENTS LTD.	312173
RO-RO ONTARIO INC.	415753
ROBBINEX INVESTMENTS LIMITED	332671
ROBERT VILLAGE LIMITED	301700
ROMEL AGENCIES LIMITED	132921
RON-SHAW INVESTMENTS LIMITED	142944
ROSS EQUIPMENT SALES LTD.	274631
ROTHON ENTERPRISES INC.	367607
ROUSE QUARRIES LIMITED	396810
ROYAL CITY GLASSWORKS LTD.	446655
ROYALVIEW REAL ESTATE LIMITED	272892
S.K. AND SONS CUSTOM BUILDERS LIMITED	399317
SALEM INTERIORS INC.	445892
SAUGEEN AUTO-SHOPPE INC.	446011
SCENIC PRODUCTION SERVICES LIMITED	155631
SCHUTZ HOLDINGS LIMITED	243876
SEA HUT RESTAURANT INC.	446409
SEALANE MANAGEMENT LIMITED	224214
SERVCO COPY CENTRES LTD.	360016
SERVICE MASTER OF GUELPH LTD.	408073
SHAMROCK AUTO GLASS LTD.	386018
SHAMROCK LEASING (WINDSOR) LTD.	298019
SHEMIZ INVESTMENTS INC.	292712
SHON-SCOT CONSTRUCTION LTD.	408251
SILVER PACK RESOURCES LIMITED	135619
SMITH-MCDONALD CONTRACTING LIMITED	434039
SNIDER PUMPS INC.	378500
SNOW BROS. BROADLOOM LTD.	339931
SOMETHING ELSE INC.	288134
SONGIS FARMS LIMITED	279415
SOPHISTI-CARE INC.	406283
SOUTH HAVEN DEVELOPMENTS LIMITED	341038
SPADINA LINEN CENTRE LTD.	501772
SPECIALTY CONSTRUCTION PRODUCTS (ONTARIO) LTD.	447558
SPENCERVILLE HOTEL LIMITED	414304
SPRUCEDALE LUMBER (1980) LTD.	447131
SQUARE TEN DEVELOPMENTS LIMITED	306567
SSL HOSPITALITY LIMITED	449356
ST. CLAIR PARK DEVELOPMENT LIMITED	219823
ST. LAWRENCE REALTY LIMITED	109901
STEL-CON LIMITED	288280
STRAWRENE LIMITED	210441
STUDIO 1 CLOTHING LTD.	378590
SUN DRAPERY LIMITED	385177
SUNRISE INSURANCE AGENCY INC.	447042
SURFACE RESTORATION LIMITED	297385
SWELL INVESTMENTS LIMITED	404027
SYDNEY SENNET ENTERPRISES LIMITED	277521
SYLBERT SALES LIMITED	211824
T. W. KEARNEY LIMITED	382847
TAKE ONE LIMITED	214641

Name of Corporation	Ontario Corp. No.
TASNIM ENTERPRISES LIMITED	409335
TAURINE ENTERPRISES LIMITED	329743
TAX ON WHEELS INC.	432169
THE PRUSSIAN CORPORATION	478472
THE SEW-EASY GROUP INC.	359442
THE TRAVEL SHOP OF WINDSOR LIMITED	126047
THE TRIBUNE (LONDON) PUBLISHING LIMITED	450303
THREE THIRTY-SIX PAPE LIMITED	237405
TILLPLEX LIMITED	431701
TIPPER'S LIMITED	416650
TOBIN ISLAND INVESTMENTS LIMITED	135438
TOM MCPHEE FINE CLOTHIER LTD.	318971
TOMRIC FOODS LIMITED	378422
TORBRAM IMPORTING LIMITED	408083
TOROT DEVELOPMENTS LTD.	354584
TORREENSE STORE COMPANY LTD.	306074
TORYORK GARAGE LIMITED	283672
TRANSCEND INCORPORATED	362404
TRBG HOLDINGS INC.	426521
TRENT DRAPERIES LTD.	366989
TRENT FLOORING LTD.	288049
TRI-LAKE CHARTERS LTD.	447000
TRIO REAL ESTATE LIMITED	301730
TROISIEME ETAGE INVESTMENTS LIMITED	436538
TWIN GATE REALTY LIMITED	83597
ULTRAPOR PRODUCTS LIMITED	337186
UNIVERSAL MARINE SERVICES INC.	447145
VALERIE BURKE ART INVESTMENTS LTD.	445217
VANDEBAK INVESTMENT COMPANY LIMITED	123402
VICTOR CONSTRUCTION LIMITED	92121
VICTOR L. PHILLIPS LIMITED	265601
VIDEO CANADA MARKETING INCORPORATED	446485
VIDEO DATING SERVICES INCORPORATED	446486
VIDEO DISCOUNT CORPORATION	446481
VIDEOLAND CORPORATION	446487
VITTORIO COCO INTERNATIONAL AGENCIES INC.	437045
W. A. SANGSTER INVESTMENTS LIMITED	419325
W.E.R.M.S. MUSIC CORP.	329979
W.H. NEIL PAINTING AND DECORATING CO. LTD.	362942
W.W. BINGHAM CORP.	417245
WADE-CLIFFE HOLDINGS INC.	445356
WAGON WHEEL TRUCK AND TRAILER SALES LIMITED	253538
WARREN MECHANICAL LIMITED	428473
WESTSHORE TRUCK LEASE LTD.	287371
WHITBY MECHANICAL INSTALLATIONS LTD.	331388
WHITEHOUSE REALTY LIMITED	213117
WIDOW CREEK PROMOTIONS LTD.	444035
WILLIAM BURT BUILDING CONTRACTOR LTD.	271946
WM. J. WAKEFIELD FUNERAL SERVICE LTD.	379978
WONDERLAND MUSHROOM FARMS LTD.	446627
WOPOLE HOLDINGS INC.	399168
WORLD OF PARTS INC.	308537
WYNFORD MANAGEMENT LIMITED	288077
YORK RIVER HEIGHTS LIMITED	83084
ZERAL ENTERPRISES LIMITED	256150
ZERODEC LIMITED	343711
ZYLOX INDUSTRIES LTD.	416933
139939 ONTARIO LIMITED	139939
20TH CANNING LIMITED	306613
287803 ONTARIO LIMITED	287803
292361 ONTARIO LIMITED	292361
304184 ONTARIO LIMITED	304184

Name of Corporation		Ontario Corp. No.
304264	ONTARIO LIMITED	304264
304268	ONTARIO LIMITED	304268
306793	ONTARIO LIMITED	306793
314164	ONTARIO LIMITED	314164
336591	ONTARIO LIMITED	336591
338502	ONTARIO LIMITED	338502
340599	ONTARIO LIMITED	340599
344928	ONTARIO LIMITED	344928
347041	ONTARIO LIMITED	347041
349525	ONTARIO LIMITED	349525
357502	ONTARIO LIMITED	357502
359073	ONTARIO LTD.	359073
359077	ONTARIO LIMITED	359077
359745	ONTARIO INC.	359745
360180	ONTARIO LIMITED	360180
360594	ONTARIO LIMITED	360594
364535	ONTARIO LIMITED	364535
365899	ONTARIO LIMITED	365899
371002	ONTARIO LIMITED	371002
373020	ONTARIO LIMITED	373020
373697	ONTARIO LIMITED	373697
375674	ONTARIO LTD.	375674
376525	ONTARIO LIMITED	376525
376554	ONTARIO LIMITED	376554
381394	ONTARIO LIMITED	381394
384382	ONTARIO LIMITED	384382
384669	ONTARIO LIMITED	384669
385297	ONTARIO LIMITED	385297
386066	ONTARIO LIMITED	386066
387523	ONTARIO LIMITED	387523
388248	ONTARIO LIMITED	388248
388255	ONTARIO LIMITED	388255
389144	ONTARIO LIMITED	389144
389170	ONTARIO LIMITED	389170
389983	ONTARIO LIMITED	389983
390097	ONTARIO LTD.	390097
394458	ONTARIO LIMITED	394458
396435	ONTARIO LIMITED	396435
401762	ONTARIO LIMITED	401762
401979	ONTARIO LIMITED	401979
407783	ONTARIO LIMITED	407783
408174	ONTARIO LIMITED	408174
413566	ONTARIO LIMITED	413566
414509	ONTARIO LIMITED	414509
414741	ONTARIO LIMITED	414741
415245	ONTARIO LTD.	415245
415605	ONTARIO LTD.	415605
416790	ONTARIO LIMITED	416790
416795	ONTARIO LIMITED	416795
418036	ONTARIO LIMITED	418036
422632	ONTARIO LIMITED	422632
424185	ONTARIO LIMITED	424185
424678	ONTARIO INC.	424678
426080	ONTARIO INC.	426080
426488	ONTARIO LTD.	426488
429566	ONTARIO LIMITED	429566
430390	ONTARIO INC.	430390
432779	ONTARIO INC.	432779
435779	ONTARIO LIMITED	435779
437075	ONTARIO LIMITED	437075
437506	ONTARIO LIMITED	437506
442261	ONTARIO LIMITED	442261

Name of Corporation		Ontario Corp. No.
443995	ONTARIO LIMITED	443995
444822	ONTARIO INC.	444822
444990	ONTARIO LIMITED	444990
445249	ONTARIO LIMITED	445249
445264	ONTARIO LIMITED	445264
445333	ONTARIO LIMITED	445333
445634	ONTARIO LIMITED	445634
445636	ONTARIO LIMITED	445636
445776	ONTARIO INC.	445776
445831	ONTARIO INC.	445831
445866	ONTARIO INC.	445866
445921	ONTARIO INC.	445921
445943	ONTARIO LIMITED	445943
446020	ONTARIO LIMITED	446020
446202	ONTARIO LTD.....	446202
446274	ONTARIO INC.	446274
446287	ONTARIO LTD.....	446287
446707	ONTARIO LIMITED	446707
447027	ONTARIO LIMITED	447027
447044	ONTARIO LIMITED	447044
447061	ONTARIO LIMITED	447061
447078	ONTARIO LIMITED	447078
447198	ONTARIO INC.	447198
447224	ONTARIO LIMITED	447224
447250	ONTARIO LIMITED	447250
447252	ONTARIO LIMITED	447252
447253	ONTARIO LIMITED	447253
447322	ONTARIO LIMITED	447322
447334	ONTARIO LIMITED	447334
447486	ONTARIO LIMITED	447486
447488	ONTARIO INC.	447488
447520	ONTARIO LIMITED	447520
447603	ONTARIO LIMITED	447603
447652	ONTARIO LIMITED	447652
447747	ONTARIO LIMITED	447747
447927	ONTARIO INC.	447927
447973	ONTARIO LIMITED	447973
448075	ONTARIO LIMITED	448075
448331	ONTARIO LIMITED	448331
448756	ONTARIO INC.	448756
452251	ONTARIO LIMITED	452251
454248	ONTARIO LIMITED	454248
457335	ONTARIO LIMITED	457335
460400	ONTARIO LTD.....	460400
461874	ONTARIO INC.	461874
467894	ONTARIO LIMITED	467894
474325	ONTARIO LIMITED	474325
480223	ONTARIO LIMITED	480223
489724	ONTARIO LIMITED	489724
490052	ONTARIO LTD.....	490052

Cancellation of Certificates of Incorporation
(Corporations Tax Act Defaulters)

NOTICE IS HEREBY GIVEN, that under subsection 240 (3) of the *Business Corporations Act*, the Certificates of Incorporation of the corporations named hereunder have been cancelled by an order dated 26 Mar., 1984 for default in complying with the provisions of the *Corporations Tax Act*, and the said corporations have been dissolved on that date.

Name of Corporation	Ontario Corp. No.
A & B HOME IMPROVEMENTS AND MECHANICAL INSULATORS LIMITED	458214
A.G.Z. DEVELOPMENTS LIMITED	269988
ACE PAINT FINISHERS LIMITED	129174
ADAM & EVE HAIRSTYLING (THUNDER BAY) LIMITED	345911
ADRIATICA IMPORTING LIMITED	301774
ADSTO TRADING CORP.	370530
ADVANCED SURFACE CLEANING INC.	437135
ALENAC INVESTMENTS LIMITED	254955
ALL CLEAN MAINTENANCE CO. LTD.	460920
AMULET FARMS LIMITED	387868
ANGIE'S FOOD SYSTEMS INC.	373268
APPLETREE MANAGEMENT LIMITED	375135
ARCA INTERNATIONAL LIMITED	435896
ARIZA ENTERPRISES LTD.	373210
ARLU MEDICAL SUPPLIES LIMITED	211114
AUSCAN INDUSTRIES (1982) LIMITED	115808
A1 RADMAN (TRENTON) LTD.	318898
B & G HOBBIES & CRAFTS LIMITED	359162
B.F.MILLER FISHERIES LIMITED	436038
BARRA TELECOMMUNICATIONS LTD.	445112
BARRIE PROJECT 1 LIMITED	281203
BARRY R WELLS ENTERPRISES LTD.	383670
BEAR MOUNTAIN CANOE COMPANY LIMITED	388619
BELFORD'S HOUSE OF DACOR LTD.....	318311
BERGHOUT CONSTRUCTION LIMITED	129678
BLASTALLOY INC.	376702
BONNYVIEW INVESTMENTS LTD.	284595
BONVENTRE PROPERTIES INC.	386003
BOUDREAU HOMES LIMITED	349896
BRABY'S AUTOMOTIVE MACHINE COMPANY LIMITED	429602
BRAEBURNWOODS HOLDINGS LIMITED	373938
BRANDFORD DEVELOPMENTS LIMITED	223060
BRASSERIE ANIS MICHEL INC.	436342
BRENTWORTH REALTY LIMITED	134131
BRIGHTLAND DEVELOPMENTS INC.	436768
BRUCE JONES CONSTRUCTION LIMITED	285138
BURLINGTON BARNs LTD.	437278
C&M GENERAL CONTRACTORS LTD.....	435836
CALYPSO ESTATES LIMITED	287215
CANADA SURFACE BOND LIMITED	439733
CARL BJERKELUND MACHINERY INC.	377951
CARON MODELLING MANAGEMENT INC.....	436043
CARROTHERS REAL ESTATE LIMITED	75595
CEBAG LIMITED	439849
CEDLAR EXPLORATION VEHICLES LIMITED	463965
CENTURY COATINGS & SERVICES INC.	429396
CERAMEX INC.	448017
CHEMONG HARDWARE LIMITED	314046
CHILTINGTON HOLDINGS LTD.	437391
CHRISTIE SHEET METAL LIMITED	135212
CITY COPY LTD.	437667
CLAGILCOR INVESTMENTS LTD.....	428840
CLAIRWOOD COLLEGE INC.	388511

Name of Corporation	Ontario Corp. No.
CLIFFTOP FASHIONS INC.	352482
COMMERCIAL LABEL & TAG LIMITED	278552
COSECO DISTRIBUTORS LIMITED	426878
CRISTFUL DEVELOPMENTS INC.	407848
CYCLONE SEWER SERVICES LIMITED	346749
D. J. WHALEN REAL ESTATE LIMITED	127572
DARLING CARPET INSTALLATIONS LIMITED	243010
DAWSON-COLEMAN REALTY LIMITED	74978
DECORATIVE INTERIORS & FURNITURE LIMITED	121441
DEERFORD MANAGEMENT LIMITED	335144
DISCOUNT DISTRIBUTING LTD.	437034
DON'S FISH AND CHIPS LIMITED	420243
E & M SYSTEMS MANUFACTURING INC.	309005
E.J. EYLES CONSTRUCTION LTD.	399761
E.N. GOODMAN CONSULTANTS LIMITED	461743
EDIT DEVELOPMENT LIMITED	138597
EDUPACK PRODUCTS LTD.	301202
EMTEC INSTRUMENTATION INC.	369683
ENRIGHT FORKLIFT SALES LIMITED	422469
ESTATE COUNSEL SERVICES INSURANCE AGENCY LIMITED	432756
EUPHRONICS INCORPORATED	463864
FAMILY TRAVEL GUIDE INC.	433147
FIRST AID & SAFETY SERVICES LIMITED	295597
FLIGHT DECK PRODUCTS LTD.	301680
FOUSKA TRANSPORTATION COMPANY LTD.	396246
FRA-GAR MARKETING INC.	446126
G. MEL BIRD REAL ESTATE LTD.	339271
G.A.G.A. GENERAL CONTRACTOR LTD.	377779
GENTCO PROJECTS LIMITED	437449
GEORGEY Y'S LTD.	398427
GIL DAVIS ENTERPRISES LIMITED	228539
GIOCAM CONSTRUCTION CO. LTD.	415305
GOLDEN PLAINS INVESTMENTS LIMITED	136088
GOOD GUYS POOL SUPPLIES LIMITED	383677
GOPHER POWER COMPANY LTD.	440684
GREAT NORTHWEST GREENHOUSES LIMITED	338236
GUELPH DOOR PRODUCTS LTD.	440845
GULL SPORTING HAVEN INC.	381131
GURNELL SALES LIMITED	453049
H S W DINING LTD.	363510
H. & B. CONSTRUCTION LTD.	342811
H. ENNIS REAL ESTATE LIMITED	147323
H. R. ARMSTRONG INDUSTRIES LTD.	285972
HALLMARK BATHROOM CO. LTD.	414826
HAMBURGER HAMLET LIMITED	356652
HANWELL PROPERTIES LIMITED	150787
HASTINGS FARMS LIMITED	224317
HEAT-A-HOME GROUP INC.	436141
HENRY A. SKINNER LIMITED	426696
HERALD FILM SERVICES LIMITED	437259
HERMAN & HERMAN MANAGEMENT LIMITED	369151
HI-PRO ERECTORS LIMITED	203596
HODGES + FREEMAN LTD.	274563
HOLLINGSHEAD PHARMACY LIMITED	206862
HORLICKS COMPANY OTTAWA LIMITED	229078
HOWARD'S HOLIDAYS LTD.	383908
HUGH PATRICK CONROY DESIGNERS INC.	438944
IHNASZ AND SCHAEFFER LIMITED	153301
INGLEWOOD COMMUNICATIONS LIMITED	237092
INSERTA LINERS LIMITED	377742
INTERNATIONAL ABRASIVES LIMITED	385790
INTERNATIONAL SURPLUS MARKETING LIMITED	428414

Name of Corporation	Ontario Corp. No.
INTRA-MEDICAL PHARMACEUTICALS LTD.	418497
ITHACA GUN CO. (CANADA) LIMITED	127966
J. KELLY DICK SALES LIMITED	211270
J. STANTON HARDWARE LIMITED	71760
JACK HAY MOTORS LIMITED	220559
JAFFA CHARNY SALES LTD.	385659
JAMES BROWNE & ASSOCIATES MANAGEMENT CONSULTANTS INC.	437093
JAMES E. LUMLEY LIMITED	116913
JOE FAHEY CONTRACTING LIMITED	443473
JOHN E COTTRILL (1979) LTD.	434135
JOHN FULTON AGENCIES LTD.	409388
JOHN KOTOWSKI INC.	277308
JOHN LOPES MOVING & CARTAGE INC.	435217
JOHNSTONE STEAK HOUSE LIMITED	145344
JORKAT HOLDINGS LTD.	437705
JULESCO ENTERPRISES LTD.	405889
K-DAL MERCHANDISING LIMITED	314950
K-RIGHT DEVELOPMENT CO. LIMITED	110795
KENORA GARDENS TOWNHOUSES INC.	393060
KIMBERDALE HOLDINGS LIMITED	226582
KINGSBOROUGH INVESTMENTS LIMITED	206028
KITCHEN SALON INC.	351047
KNOSSOS LIMITED	234999
LA RINASCENTE BANQUET HALL LIMITED	329579
LAFOR HOLDINGS LIMITED	288363
LANARKOEUR DEVELOPMENTS INC.	458327
LEE SHUE REAL ESTATE LTD.	266425
LINAC SYSTEMS INTERNATIONAL LTD.	274397
LINBSON INVESTMENTS LIMITED	437243
LORCO LIMITED	292309
LOU'S MEN'S SHOP LIMITED	49003
LUCKNOW INVESTMENTS LIMITED	134549
LUNA GRADING & SODDING CO. LIMITED	350479
M. GREBER SALES LIMITED	213468
M. H. TURNER LIMITED	91395
M.D.C. COMMUNICATIONS OF CANADA LTD.	402619
MADDY'S CHICKEN INC.	436732
MAIRO HOLDINGS INC.	435215
MANATEE PROPERTIES LIMITED	272134
MANLING FOOD SERVICE CO. LTD.	436481
MATCH US INC.	435507
MAYER JEWELLERS INC.	414548
MCPAHON CLOTHING (WELLAND) LIMITED	378525
MERCER'S BURNER SERVICE LTD.	431449
MERIT INDUSTRIES LIMITED	437737
MEZZO HOLDINGS LIMITED	404884
MILDMAY SAND AND GRAVEL LTD.	435255
MITHRAS FINANCIAL CONSULTANTS LTD.	439946
MONTECO STORE FIXTURES LTD.	452780
MUSCLOW'S CONSTRUCTION LTD.	438538
NEWING DEVELOPMENTS LIMITED	387485
NIELSEN OUTFOOTERS LIMITED	436740
NOR-CAN ROOFING AND SHEET METAL LIMITED	438945
NORTHERN CROSS CO. LIMITED	433362
NORTHWIND STABLES INCORPORATED	254533
NU-WAY FOOD MARKET LIMITED	438748
O.P.A. DEVELOPMENTS INC.	317661
OAK-TOWN TOOLING CO. LTD.	435769
OAKWOOD HOTEL (TORONTO) LIMITED	348108
OASIS HOMES INC.	368813
OFF-CON LTD.	438309
ONTRAC ENTERPRISES LIMITED	294515

Name of Corporation	Ontario Corp. No.
OTTAWA VALLEY DRIVERS SERVICES LTD.	453740
OVERDRIVE ENTERPRISES LTD.	302532
OWLENCER HOLDINGS LIMITED	405748
P. E. EVANS REAL ESTATE INC.	377204
PARIS DODGE CHRYSLER LTD.	390459
PARKLAND HOME CENTRES LTD.	277638
PAUL BAGNATO SALES LIMITED	378141
PAWS MUSIC LTD.	445244
PEACHTREE INVESTMENTS LTD.	436427
PEEL 12-1 LIMITED	263749
PEOPLE'S BAZAAR LIMITED	310686
PICKLAND ENTERPRISES LTD.	412750
PIRIN FOODS & HOLDINGS INC.	278650
PRESSVIEW MOTORS LIMITED	80311
PROBAID LIMITED	462005
QUALITY CRAFT COSMETICS LTD.	442941
R.H. MCKAY LIMITED	401146
RAYMAR MOBILE SAFETY PRODUCTS LTD.	438455
REISGEORGE MANAGEMENT LIMITED	437090
RELIABLE DRIVER SUPPLY INC.	299738
REMY GAGNE LTD.	411277
RICKTON ENTERPRISES INC.	435690
RIDGETOP DEVELOPMENT COMPANY LIMITED	299904
RIMLAND'S LIMITED	398957
ROBERT J. SOSSIN LTD.	380991
ROBLEY INVESTMENTS LTD.	382066
RORAIMA DEVELOPMENTS INC.	351996
ROUNTHWAITE & PHILLIPS ENERGY LIMITED	436584
RYAN-REGAN CORPORATION	434602
RYDING AUTO BODY (1979) LTD.	405086
S. & L. HENDERSON LIMITED	410653
SAM'S PLUMBING & HEATING (OTTAWA) LTD.	402986
SAN ROQUE INVESTMENTS LIMITED	259163
SANDRIKO ENTERPRISES LIMITED	147553
SEAGULL CERAMICS INC.	305209
SELKIRK STREET SALES LIMITED	156024
SHAWFIELD INVESTMENTS LIMITED	140657
SHELOR INC.	454334
SHERWOOD MARINE INC.	313692
SHIBUI LIMITED EDITIONS INC.	374732
SIGN-POWER MANUFACTURING CO. LTD.	370682
SKAN-KEM LTD.	439951
SNIDER BOWRON & SONS LIMITED	246758
SOFT SERVE MACHINES (CANADA) LIMITED	306196
SOO HOMES INC.	341244
SPECIAL INDUSTRIAL ADDITIVES LIMITED	352116
SPORTS MOTIVATION INCORPORATED	329047
STARBURST RECORDINGS LTD.	435770
SUKI PARTIES OF CANADA LTD.	460391
SUN PLACES TRAVEL INC.	408054
SUPER PLATING COMPANY LIMITED	50600
SYNTHESIS COIN & STAMP LIMITED	376498
TARA FISH CO. LTD.	462549
TAUNTON COURTICE DEVELOPMENTS LIMITED	278703
TERRY PARKER SIT & SLEEP SHOP LIMITED	403116
THE ADULT FITNESS CENTRES (HAMILTON) LIMITED	346455
THE EXTRACTORS CARPET CARE INC.	405816
THE GRIST MILL DONUT & BAKERY SHOPPE LTD.	438379
THE READING'N GREETING SHOPS LTD.	384402
THESAURUS FEATURE FILMS LIMITED	211235
TIPPEL REALTY LIMITED	338438
TRENCH-IN-POWER LIMITED	281795

Name of Corporation	Ontario Corp. No.
TRG DESIGN LTD.	458746
TURK FENCE & GENERAL CONTRACTING LIMITED	436204
UNITED MAINTENANCE SERVICE LIMITED	363739
VANESS GRAPHICS LIMITED	437297
VENDE REALTY CORPORATION	435470
VENESCO DISTRIBUTORS CANADA LTD.	371640
VENUS ITALIAN CERAMICS LIMITED CERAMIQUE ITALIENNE VENUS LIMITEE	350067
VESTECH ASSOCIATES LIMITED	464819
VIA-TEL INTERNATIONAL FILMS INC.	362764
VILLAGE BROADLOOM LIMITED	349659
VINCENT BERNARD ELECTRIC LIMITED	284869
VORTEX ELECTRIC LTD.	384261
W.I. ELFAROU COMPANY LTD.	462617
WALKOVER HOLDINGS (THUNDER BAY) LIMITED	270197
WHITE TOP DRIVE-INS LIMITED	114228
WIL'S MARKETING LTD.	405021
WILLIAM FORTIS RESTAURANTS LIMITED	438554
WILLIAM G. DOIG LIMITED	144792
WINNING AWARDS & CRESTS LIMITED	436419
X+X CONTRACTING LIMITED	296709
Y. Y. ICKLE GENERAL STORE LTD.	472991
311656 ONTARIO LIMITED	311656
337365 ONTARIO LIMITED	337365
343262 ONTARIO LIMITED	343262
347121 ONTARIO LIMITED	347121
347394 ONTARIO LIMITED	347394
349311 ONTARIO LIMITED	349311
350167 ONTARIO LIMITED	350167
351838 ONTARIO INC.	351838
364845 ONTARIO LIMITED	364845
370805 ONTARIO LIMITED	370805
375298 ONTARIO LIMITED	375298
376983 ONTARIO INC.	376983
377880 ONTARIO LIMITED	377880
382678 ONTARIO LIMITED	382678
385487 ONTARIO LIMITED	385487
386202 ONTARIO LIMITED	386202
397314 ONTARIO LIMITED	397314
398641 ONTARIO LIMITED	398641
398706 ONTARIO LIMITED	398706
398797 ONTARIO LIMITED	398797
398897 ONTARIO LIMITED	398897
399786 ONTARIO LIMITED	399786
400573 ONTARIO LIMITED	400573
404901 ONTARIO LTD.	404901
404937 ONTARIO LIMITED	404937
405405 ONTARIO LIMITED	405405
405434 ONTARIO LIMITED	405434
408045 ONTARIO LIMITED	408045
408314 ONTARIO LIMITED	408314
410029 ONTARIO LIMITED	410029
412202 ONTARIO LIMITED	412202
419785 ONTARIO LIMITED	419785
427744 ONTARIO LIMITED	427744
429502 ONTARIO LIMITED	429502
430255 ONTARIO INC.	430255
432332 ONTARIO INC.	432332
432959 ONTARIO INC.	432959
433414 ONTARIO LIMITED	433414
433495 ONTARIO INC.	433495
433731 ONTARIO LTD.	433731
434237 ONTARIO LTD.	434237

Name of Corporation		Ontario Corp. No.
434652	ONTARIO LIMITED	434652
434746	ONTARIO LIMITED	434746
434991	ONTARIO INC.	434991
435180	ONTARIO LIMITED	435180
435430	ONTARIO LIMITED	435430
435511	ONTARIO INC.	435511
435585	ONTARIO LIMITED	435585
435672	ONTARIO LIMITED	435672
435687	ONTARIO LIMITED	435687
435954	ONTARIO LIMITED	435954
436110	ONTARIO INC.	436110
436293	ONTARIO LTD.	436293
436295	ONTARIO LIMITED	436295
436446	ONTARIO INC.	436446
436448	ONTARIO LIMITED	436448
436472	ONTARIO INC.	436472
436630	ONTARIO LIMITED	436630
436636	ONTARIO LIMITED	436636
436692	ONTARIO LIMITED	436692
437170	ONTARIO INC.	437170
437795	ONTARIO LIMITED	437795
438146	ONTARIO LIMITED	438146
438250	ONTARIO LIMITED	438250
438356	ONTARIO LIMITED	438356
438380	ONTARIO LIMITED	438380
438668	ONTARIO LIMITED	438668
439956	ONTARIO LIMITED	439956
442110	ONTARIO INC.	442110
446374	ONTARIO LTD.	446374
446498	ONTARIO LTD.	446498
453345	ONTARIO INC.	453345
463053	ONTARIO LIMITED	463053
464162	ONTARIO LIMITED	464162
475524	ONTARIO INC.	475524
476497	ONTARIO INC.	476497

E. J. WELLS, LL.B.,
Director, Companies Branch.

Orders in Council

O.C. 844/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that the portion of highway in the Township of Marathon, in the District of Thunder Bay, under the jurisdiction and control of the Ministry, shown as PART 1 on Ministry Plan P-3065-11, filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 8th day of March, 1984, be designated as Controlled-Access Highway, pursuant to section 36 of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto.

Recommended J. SNOW,
Minister of Transportation
and Communications.

Concurred GEORGE R. McCAGUE,
Chairman.

Approved and Ordered, March 29, 1984.
JOHN B. AIRD,
Lieutenant Governor.

O.C. 846/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that the portion of highway in the Township of Bomby, in the District of Thunder Bay, under the jurisdiction and control of the Ministry, shown as PART 1 on Ministry Plan P-3139-11, filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 5th day of March, 1984, be designated as Controlled-Access Highway, pursuant to section 36 of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto.

Recommended J. SNOW,
Minister of Transportation
and Communications.

Concurred GEORGE R. McCAGUE,
Chairman.

Approved and Ordered, March 29, 1984.
JOHN B. AIRD,
Lieutenant Governor.

O.C. 847/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that:

- (a) the portion of highway in the City of Brantford, in the County of Brant, being part of lots 56 and 57, according to Registered Plan 344 under the jurisdiction and control of the Ministry and shown as PART 1 on a Plan of Survey P-5089-65 being a Reference Plan deposited in the Land Registry Office for the Registry Division of Brant as Plan 2R-2050, be closed, pursuant to subsection 29 (2) of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto; and
- (b) the designation of the above mentioned highway as Controlled-Access Highway by Schedule 154, Reg. 213, R.R.O. 1960, as made by O. Reg. 294/69 to Order in Council numbered OC-2727/69, effective July 17/69 now shown as Schedule 145 to Reg. 394, R.R.O. 1970, be amended so as to cease to apply to the portion of highway shown as PART 1 on P-5089-65.

Recommended J. SNOW,
Minister of Transportation
and Communications.

Concurred GEORGE R. McCAGUE,
Chairman.

Approved and Ordered, March 29, 1984.
JOHN B. AIRD,
Lieutenant Governor.

Management Board Orders 1983-84

The following Management Board Orders relating to the 1983-84 fiscal year have been approved.

No.	Date	Ministry	Vote-Item	Amount \$	Relating to
18	Feb. 14/84	Agriculture and Food	1901-1	100,000	Additional funding for other direct operating expenditures for the Main Office.
			1901-2	420,000	Relocation expenses.
			1901-4	125,000	Increased operating expenditures.
			1901-5	600,000	Increased systems development costs.
			1902-1	644,000	Increased funding for marketing and sector support grants.
			1903-5	150,000	Increased funding for horticultural research studies.
			1903-7	1,425,000	Increased cost of technical publications and increased operating expenses for Agricultural Representatives and other field personnel.
			1903-8	225,000	Grants to Agricultural Societies.
			1904-1	471,000	Additional funding for operating expenses.
19	Feb. 14/84	Consumer and Commercial Relations	1502-3	4,860,000	Rehabilitation of Canadian Great Lakes Casualty and Surety Company.
			1504-1	231,000	One-time grants to Racing Associations.
20	Feb. 14/84	Correctional Services	1601-5	71,200	Salary revisions, funding related to staff transfer.
21	Feb. 14/84	Office of the Lieutenant Governor	101-1	43,700	Salary revisions, additional staff and other direct operating expenditures.
22	Feb. 14/84	Revenue	801-3	175,000	Additional funding to strengthen internal audit function.
23	Feb. 21/84	Citizenship and Culture	2901-8	525,700	Salary revisions, re-allocation of funds and additional funds for Bicentennial operations and regional services.
			2901-10	272,900	Additional funds for the Winter Experience Program and start-up of Experience '84.
24	Feb. 21/84	Education	3201-4	702,800	Salary revisions, severance payments.
			3202-5	74,000	Salary revisions and internal staff re-allocation.
			3202-7	601,400	Salary revisions.
			3202-9	508,700	Salary revisions, O.S.I.S. (Ontario Schools: Intermediate and Secondary) implementation costs.
			3202-10	52,600	Salary revisions, internal staff re-allocation.
25	Feb. 21/84	Industry and Trade	2203-6	55,000	Additional operating costs for the Metropolitan Toronto Convention Centre.
26	Feb. 21/84	Labour	2301-2	290,200	Salary revisions, Voluntary Retirement Option and additional funds for office automation.

No.	Date	Ministry	Vote-Item	Amount \$	Relating to
			2301-3	541,700	Salary revisions and functional re-organization.
			2301-6	561,500	Salary revisions and additional expenditures for data processing.
27	Feb. 21/84	Transportation and Communications	2708-2	5,300,000	Transit capital subsidies to municipalities.
			2708-3	1,700,000	Transit operating subsidies to municipalities.
(4558)	16				

Applications to Parliament — Private Bills

PUBLIC NOTICE

LEGISLATIVE ASSEMBLY OF ONTARIO

The attention of Municipal Officials, Solicitors and all other persons who may be interested in the preparation of Private Bills for submission to the Legislative Assembly of Ontario is directed particularly to the following Standing Orders governing the submission of such Bills:

NOTE: The previous Standing Orders of the Legislative Assembly have been repealed and the following put into effect by Order of the House passed on Thursday, December 14th, 1978, and on Tuesday, May 13th, 1980.

Attention is drawn to the more important changes:—

- No time limit.
- No penalties for late filing.
- Required notice of advertising reduced to four weeks from six weeks.

PRIVATE BILLS

Filing Bill with Clerk

65. (a) Any person, group or corporation may apply for a Private Bill by filing with the Clerk of the House a copy of the Bill together with a fee of \$150.00.

Applicant to pay cost of printing

(b) Every applicant for a Private Bill shall pay the cost of printing the Bill, including the cost of printing the Act in the annual Statutes.

Other charges

(c) Where a Standing Order is suspended with reference to a Bill, a charge of \$50.00 shall be levied.

Additional fees

(d) Where a Bill incorporates a company, or increases the capital stock of a company already incorporated, there shall be paid to the Clerk of the House, by or on behalf of the applicant, before the same is reported to the House, the same fee as would be payable in the case of an incorporation or increase of capital under The Business Corporations Act, less the sum of \$150.00 already paid to the Clerk of the House.

(e) When a Bill is for the purpose of confirming by-laws, bonds, debentures or other securities, or authority is asked to borrow money or to increase borrowing powers, the following additional fees shall be paid according to the amount of money involved:—

On amounts less than \$10,000	\$ 25
On amounts over \$10,000 and up to \$25,000	50
On amounts over \$25,000 and up to \$40,000	75
On amounts over \$40,000 and up to \$75,000	100
On amounts over \$75,000 and up to \$125,000	125
On amounts over \$125,000 and up to \$175,000	150
On amounts over \$175,000 and up to \$250,000	200
On amounts over \$250,000 and up to \$350,000	250
and an additional fee of \$50 for every \$100,000 over \$350,000.	

Publication of Standing Orders re Private Bills

(f) The Clerk of the House shall publish weekly in *The Ontario Gazette* the Standing Orders respecting applications for Private Bills.

Required notice of applications

(g) Notice of an application for a Private Bill shall be given before it is referred to a Standing Committee by publishing it once a week for at least four weeks in each of *The Ontario Gazette* and one newspaper circulated in the municipality most affected and the notice shall,

- (i) be signed by or on behalf of the applicant;
- (ii) clearly state the nature and object of the application;
- (iii) when the application refers to any proposed work, indicate generally the location of the work; and

Bills for debenture issues

(iv) where the application is by a municipal corporation for authority to issue debentures, set out the particulars of the existing debenture debt and the amount of the rateable property of the municipality according to the last revised assessment roll of the corporation and in brief and general terms, the object for which the new issue of debentures is required.

Clerk reports to Standing Procedural Affairs Committee

66. (a) The Clerk of the House shall refer to the Standing Procedural Affairs Committee any application that, in his opinion, does not comply with the Standing Orders.

Declaration re advertising

(b) The applicants for a Private Bill shall lodge with the Clerk of the House a declaration proving publication of the notice.

Letters Patent

67. When any Bill for confirming any Letters Patent, or Agreement, is presented to the House, the copy of such Charter or Agreement, shall be attached to it.

Certificate of Minister of Revenue re Letters Patent

68. No Bill relating to the status of a corporation shall be considered by any Committee until there

has been deposited with the Clerk of the House a certificate of the Minister of Revenue showing that all taxes payable under The Corporations Tax Act in respect of the corporation have been paid.

Reference to Standing Committee after first reading. Exceptions

69. Every Private Bill when read a first time, shall, unless it is an Estate Bill, or a Bill providing for a consolidation of a floating debt or for the consolidation or renewal of debentures (other than local improvement debentures) of a municipal corporation, stand referred to the appropriate Standing Committee, and any Petitions to the House for or against the Bill stand referred to any such Committee.

Certain Municipal Applications referred to Ontario Municipal Board

70. (a) A Private Bill of a municipal corporation providing for the consolidation of a floating debt, or the consolidation or renewal of debentures (other than local improvement debentures) stand referred to the Ontario Municipal Board after first reading.

Board to report

(b) The Board, after due enquiry, shall report to the House whether or not it is reasonable that the Bill, or that part thereof relating to the matters referred to in clause (a), should pass and what, if any, alterations should be made in the Bill.

Report to Clerk

(c) A report shall be transmitted to the Clerk of the House.

Bill and report to Standing Committee

(d) The Bill and report shall stand referred to the appropriate Standing Committee.

Estate Bills referral

71. (a) Every Estate Bill or part of a Bill that contains an Estate Bill provision stands referred to the Commissioners of Estate Bills after first reading.

Report of Commissioners

(b) The Commissioners of Estate Bills, or any two of them, shall report their opinion on the Bill or the part thereof that has been submitted to them, and whether, presuming the allegations contained in the Preamble to be proven to the satisfaction of the House, it is reasonable for the Bill or the part thereof to pass and what, if any, alterations are necessary.

Report sent to Clerk

(c) A report of the Commissioners of Estate Bills shall be transmitted to the Clerk of the House.

Effect of adverse report

(d) Where the Commissioners of Estate Bills report that, in their opinion, it is not reasonable that the Bill or the part thereof submitted to them pass into law, the Bill or the part thereof shall not be further considered.

Bill and report to Committee

(e) Where the Bill or the part thereof submitted to the Commissioners of Estate Bills is reported favourably by the Commissioners, the Bill and the report shall stand referred to the appropriate Standing Committee and where only part of a Bill is submitted to the Commissioners and the Commissioners report that, in their opinion, it is not reasonable that the part pass into law, the Bill, except for the part to which the report applies, shall stand referred to the appropriate Committee.

Notice re Hearing by Standing Committee

72. (a) The Clerk of the House shall post on all notice boards five days notice of the date on which any Private Bill is to be considered by a Committee and the notice shall be published in the Notice Paper.

Notice of Next Day Meetings on Private Bills

(b) The Clerk shall also publish in the Notice Paper a notice of any meeting of a Committee to consider Private Bills to be held on the following day.

Consent of interested persons

73. Any person whose interest or property may be affected by a Private Bill, when required, shall appear before the Committee considering the Bill to express his consent or objection, or may consent in writing, proof of which may be demanded by the Committee.

On Order Paper after report

74. Private Bills when reported by Standing Committees shall be placed on the Order Paper for second reading.

Bills initialled and signed by Chairman

75. (a) The Chairman of a Committee considering a Private Bill shall initial each section of the Bill as it is passed and sign the Bill.

Amendments

(b) Amendments shall be clearly indicated in the signed copy, and the amendments or additions shall be initialled by the Chairman.

Reprinting amended Bills

76. Private Bills amended by a Committee or the Commissioners may be reprinted before further consideration as the Clerk of the House may direct and the applicant shall pay the cost of printing the Bill.

Referral after second reading

77. Private Bills, after second reading, shall be ordered for third reading, unless specially ordered referred to the Committee of the Whole House.

Notice required to dispense with Standing Orders

78. Except by unanimous consent of the House given in case of urgent and pressing necessity, no

motion may be made to dispense with any Standing Order relating to Private Bills without due notice thereof.

Private Bill Register

79. A Private Bill Register shall be kept in the office of the Clerk of the House, in which shall be entered, by the Clerk appointed for that purpose, the name, description, and place of residence of the parties applying for the Bill, or of their agent, and all the proceedings thereon, such register to be open to public inspection daily, during office hours.

Parliamentary Agents

80. (a) Every Parliamentary Agent conducting proceedings before the House is personally responsi-

ble to the House and to the Speaker for the observance of the Standing Orders and Practices of Parliament, and also for the payment of all fees and charges.

Misconduct of Agent

(b) Any agent who wilfully acts in violation of the Standing Orders and Practices of Parliament, or who wilfully misconducts himself in prosecuting any proceedings before the House, is liable to an absolute or temporary prohibition to practise as a Parliamentary Agent, at the pleasure of the Speaker.

RODERICK LEWIS, Q.C.,
Clerk of the Legislative Assembly of Ontario.

Petitions to Parliament

Extract from the rules respecting the presentation of petitions

Form

29. (c) Petitions may be either written or printed and only the original, properly signed, and addressed to the Lieutenant Governor and the Legislative Assembly need be presented.

May not be signed by solicitor.
Exceptions

(d) Petitions may not be signed by a solicitor as such, unless he is acting for a petitioner unable to sign due to absence from the Province or illness, and only then if the solicitor holds a Power of Attorney to be produced to the Clerk of the House if required.

Members responsible for contents

(e) Members presenting petitions are answerable that they do not contain any improper matter.

No petitions for expenditure of public funds

(f) No petition can be received which prays for any expenditure, grant or charge on the public revenue, whether payable out of the Consolidated Revenue Fund, or out of moneys to be provided by the House.

SAMPLE FORM FOR PETITIONS

*To the Honourable the Lieutenant Governor and the
Legislative Assembly of Ontario:*

We, the undersigned, beg leave to petition the Parliament of Ontario, as follows:

NOTE: The subject of the Petition must relate to a grievance within the competence of the Assembly to remedy and must not pray for any expenditure, grant or charge on the public revenue.

The Member of the House presenting the Petition for the petitioners must endorse his name thereon and be answerable that it contain no improper matter.

RODERICK LEWIS, Q.C.,
Clerk of the Legislative Assembly of Ontario.

Applications to Parliament

NOTICE IS HEREBY GIVEN that on behalf of the *Ontario Association of Certified Engineering Technicians and Technologists* application will be made to the Legislative Assembly of the Province of Ontario at a regular session in 1984 for an Act to continue the said Association as a private act corporation, and to give to its members the exclusive rights to use the designations "Certified Engineering Technician" or "Certified Engineering Technologist".

Any person wishing to make submissions to the Legislative Assembly with respect to this application should write to the Clerk of the Legislative Assembly, Queen's Park, Toronto, Ontario M7A 1A2.

Dated at Toronto, this 12th day of March, 1984.

G. W. BRADBURY,
President, Ontario Association of
Certified Engineering
(6927) 14 to 17 Technicians and Technologists.

CITY OF TORONTO SUPPLEMENTARY NOTICE OF APPLICATION FOR SPECIAL LEGISLATION

NOTICE IS HEREBY GIVEN that, on behalf of The Corporation of the City of Toronto, application will be made to the Legislative Assembly for the Province of Ontario, for Special Legislation to provide:

1. That, where an owner destroys trees or other natural vegetation or carries out any work in breach of a by-law respecting ravine land, the City may, in addition to all other remedies and without liability to compensate the owner or any other person, perform any work required to restore the land to its former condition, and the City shall have a lien for and may collect in the same manner as municipal real property taxes any amount expended in respect of such work and an administrative fee not to exceed ten per cent of such amount, together with interest thereon at a rate to be fixed by the City.

2. That the City may enforce a by-law respecting ravine land in the same manner as a by-law passed under the authority of the *Municipal Act*, and any such by-law may impose penalties of not more than \$25,000.00, exclusive of costs, to be determined in accordance with a formula in such by-law, for the contravention of a provision regarding destruction of trees and penalties of not more than \$2,000.00, exclusive of costs, for the contravention of any other provision thereof.

3. That the City may appoint the persons who are not members of the council to a planning advisory committee under the *Planning Act, 1983* or any amendment thereto or successor thereof for terms of three years in rotation, so that as nearly as possible one-third of such members shall retire each year.

This application will be considered by a Standing Committee of the Legislative Assembly. Any person who has an interest in the application and who wishes to make submissions, for or against the application, to

the Standing Committee should notify, in writing, the Clerk of the Legislative Assembly, Queen's Park, Toronto, Ontario, M7A 1A2.

Dated at Toronto, this 2nd day of April, 1984.

W. R. CALLOW, Q.C.,
City Hall,
100 Queen Street West,
Toronto, Ontario M5H 2N2.

Solicitor for the Applicant,
THE CORPORATION OF THE
(6978) 14 to 17 CITY OF TORONTO.

Corporation Notices

PLYMAR PRODUCTS LIMITED

NOTICE IS HEREBY GIVEN that Plymar Products Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Toronto, this 5th day of April, 1984.

MARTIN PAUL MACNAUGHTON,
(7020) 16 Secretary.

ALL-TOOLS LIMITED

All-Tools Limited hereby gives notice pursuant to the *Business Corporations Act* of its intention to dissolve.

Dated this 28th day of March, 1984.

(7021) 16

J. P. TRAVERS HOLDINGS LIMITED

NOTICE IS HEREBY GIVEN that J. P. Travers Holdings Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated this 1st day of March, 1984.

BERNARD V. TRAVERS,
(7022) 16 Secretary.

TAKE NOTICE that 363219 Ontario Limited intends to file Articles of Dissolution.

Dated at Toronto, this 11th day of January, 1984.

MARGARET ANNE MOSELEY,
(7023) 16 President.

NOTICE IS HEREBY GIVEN that King Bo Inc. intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated at Toronto, this 3rd day of April, 1984.

CHIU MAN SHUM,
(7024) 16 President.

ME-DON INVESTMENTS LIMITED

NOTICE IS HEREBY GIVEN that Me-Don Investments Limited intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated as of the 26th day of March, 1984.

GORDON EDWARD THOMPSON,
(7025) 16 Secretary.

CAMPERDOWN MANAGEMENT LIMITED

NOTICE IS HEREBY GIVEN that Camperdown Management Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations pursuant to the *Business Corporations Act, 1982*.

Dated at Ottawa, Ontario, this 29th day of March, 1984.

(7026) 16 GOLDALYN S. COOPERMAN,
President and Director.

SENTROCAN FINANCIAL SERVICES LTD.

NOTICE IS HEREBY GIVEN that Sentrocan Financial Services Ltd. intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations pursuant to the *Business Corporations Act*.

Dated this 3rd day of April, 1984.

(7027) 16

378112 ONTARIO LIMITED

NOTICE IS HEREBY GIVEN that 378112 Ontario Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated this 3rd day of April, 1984.

(7028) 16 IAN H. RUSSELL,
President.

PHIL EDMUNDS CONSTRUCTION LTD.

Phil Edmunds Construction Ltd. hereby gives notice pursuant to the *Business Corporations Act* of its intention to dissolve.

Dated this 27th day of February, 1984.

(7029) 16 LESLEE TRINALDA EDMUNDS,
Secretary-Treasurer.

NOTICE IS HEREBY GIVEN that Audio Design Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the provisions of Section 238 of the *Business Corporations Act*.

Dated at Brantford, Ontario, this 26th day of March, 1984.

(7030) 16 AUDIO DESIGN LIMITED,
by its solicitors,
WATEROUS, HOLDEN, AMEY,
Barristers & Solicitors,
20 Wellington Street,
Brantford, Ontario N3T 5V6.

NOTICE IS HEREBY GIVEN that the number of Directors of the Misshe-Way Human Services Foundation was increased from three (3) to five (5) by a special resolution which was confirmed by the Members of the Foundation on the 2nd day of April, 1984.

Dated this 3rd day of April, 1984.

(7031) 16 G. F. CAUCHI,
A Director.

WORLD VISION OF CANADA

NOTICE IS HEREBY GIVEN that World Vision of Canada intends to surrender its charter to the Lieutenant Governor and to distribute its assets to World Vision Canada, Mississauga, Ontario.

Dated at Mississauga, this 5th day of April, 1984.

(7032) 16 NINETTE DI GANGI,
Secretary.

KITCHENER-WATERLOO EXTEND-A-FAMILY ASSOCIATION

NOTICE IS HEREBY GIVEN that by special resolution which became effective on the 2nd day of June, 1983, the number of directors of Kitchener-Waterloo Extend-A-Family Association was increased from nine (9) to twelve (12).

Dated at Waterloo, Ontario, the 2nd day of June, 1983.

(7033) 16 ROBERT GUAY,
Secretary.

TAKE NOTICE that Villeroche Holdings Limited intends to file Articles of Dissolution.

(7034) 16 EDWARD REITER,
Secretary.

TAKE NOTICE that 542963 Ontario Inc. intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Mississauga, Ontario, this 26th day of March, 1984.

(7035) 16 DAVID MORROW,
President.

DINO LIPPI EXCAVATING LIMITED

NOTICE IS HEREBY GIVEN that Dino Lippi Excavating Limited intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated at Windsor, Ontario, this 5th day of April, 1984.

(7036) 16 ROLAND J. BALDASSI,
Executer in the Estate of
DINO LIPPI,
Secretary.

CONKLIN & GARRETT CASINO COMPANY INC.

NOTICE IS HEREBY GIVEN that Conklin & Garrett Casino Company Inc. intends to surrender its charter.

Dated at Brantford, Ontario, this 3rd day of April, 1984.

(7037) 16 JAMES F. CONKLIN,
President.

FIRST PIONEER HOLDINGS LIMITED

NOTICE Concerning Winding Up of First Pioneer Holdings Limited and appointment of Michael Hall, 1600 Barton Street East, Hamilton, Ontario L8H 2Y1 as liquidator appointed on the 4th day of April, 1984.

This notice is filed under subsection 192 (4) of the *Business Corporations Act*. The special resolution requiring the corporation to be wound up voluntarily was passed/consented to by the shareholders of the corporation on the 1st day of April, 1984.

(7038) 16

JOHN C. SAVCHUK.

PHALANX INVESTMENTS LIMITED

NOTICE IS HEREBY GIVEN that Phalanx Investments Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the *Business Corporations Act, 1982*.

Dated at Toronto, this 4th day of April, 1984.

(7039) 16

ALLAN ISAACS,
President.

Thomas French and Sons (Canada) Limited hereby gives notice of its intention to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated at Toronto, this 6th day of April, 1984.

(7040) 16

E.A. CHRISTIE,
Secretary.**BATHURST & WILSON PLAZA LTD.**

NOTICE IS HEREBY GIVEN that Bathurst & Wilson Plaza Ltd. intends to dissolve pursuant to the *Business Corporations Act*.

Dated this 5th day of April, 1984.

(7041) 16

J. THAKRAR,
Secretary.**RIMRICK FINANCIAL SERVICES LIMITED**

NOTICE IS HEREBY GIVEN that Rimrick Financial Services Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Toronto, this 2nd day of April, 1984.

(7042) 16

ROSEMARY MONICA SMITH,
President.

NOTICE IS HEREBY GIVEN that Inter Food Hellas Limited intends to dissolve by Articles of Dissolution pursuant to the *Business Corporations Act, 1982*.

Dated at Toronto, this 5th day of April, 1984.

(7043) 16

GARY MUCHOS,
Secretary.**581482 ONTARIO LIMITED**

NOTICE IS HEREBY GIVEN that 581482 Ontario Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the *Business Corporations Act*.

Dated at Toronto, this 9th day of April, 1984.

(7044) 16

581482 ONTARIO LIMITED,
By its Solicitors,
SMITH, LYONS, TORRANCE,
STEVENSON & MAYER,
The Exchange Tower,
P.O. Box 420,
2 First Canadian Place,
Toronto, Ontario M5X 1J3.

TAKE NOTICE that 419269 Ontario Limited intends to dissolve by filing Articles of Dissolution pursuant to the *Business Corporations Act*.

Dated at Toronto, this 5th day of April, 1984.

(7045) 16

419269 ONTARIO LIMITED,
By its Solicitors,
ATLIN, GOLDENBERG,
439 University Avenue,
Suite #2200,
Toronto, Ontario M5G 1Y8.

NOTICE IS HEREBY GIVEN that John Huck & Sons Enterprises Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated the 5th day of April, 1984.

(7046) 16

EILEEN M. HUCK,
Secretary.**BARB'S FURNITURE ATTIC INC.**

NOTICE IS HEREBY GIVEN that Barb's Furniture Attic Inc. intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations pursuant to the *Business Corporations Act*.

Dated at Elmira, this 5th day of April, 1984.

(7047) 16

RONALD HOWEY,
Secretary.**REXDALE COMMUNITY MICROSKILLS DEVELOPMENT CENTRE**

NOTICE IS HEREBY GIVEN that the number of directors of Rexdale Community Microskills Development Centre was increased from five (5) directors to nine (9) directors by a Special Resolution which was confirmed by the members of the Corporation on the 3rd day of April, 1984.

Dated this 3rd day of April, 1984.

(7055) 16

ANTHONY LUIS MARTINS,
Secretary.**REXDALE COMMUNITY MICROSKILLS DEVELOPMENT CENTRE**

NOTICE IS HEREBY GIVEN that the head office of the Corporation was changed from the City of Toronto, in the Municipality of Metropolitan Toronto, to the Municipality of Metropolitan Toronto, by a Special Resolution which was confirmed by the members of the Corporation on the 3rd day of April, 1984.

Dated this 3rd day of April, 1984.

(7056) 16

ANTHONY LUIS MARTINS,
Secretary.**WESMAN HOLDINGS LTD.**

NOTICE IS HEREBY GIVEN that Wesman Holdings Ltd. intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Toronto, this 6th day of April, 1984.

WESMAN HOLDINGS LTD.,
By its solicitors,
STAPELLS & SEWELL,
Barristers and Solicitors,
P.O. Box 113,
Suite 6200,
First Canadian Place,
Toronto, Ontario M5X 1A4.

(7057) 16

TAKE NOTICE that Horologe Investments Limited intends to file Articles of Dissolution.

Dated at Toronto, this 5th day of January, 1984.

JOHN L. TIVERON,
President.

(7058) 16

TAKE NOTICE that Lan Arc Leasing Ltd. intends to file Articles of Dissolution pursuant to the *Business Corporations Act, 1982*.

Dated at Lindsay, this 6th day of April, 1984.

JOHN FRANCIS O'REILLY,
Secretary.

(7059) 16

NOTICE IS HEREBY GIVEN that a by-law providing that upon the dissolution of the Big Brother Association of Kingston and District, Incorporated all remaining assets shall be distributed to Big Brothers of Canada was confirmed by the members of the said Association on April 10, 1984.

ALISON HEACOCK,
President.

(7060) 16

D. E. BRANNEN OFFICE MANAGEMENT LTD.

NOTICE IS HEREBY GIVEN that D. E. Brannen Office Management Ltd. intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the *Business Corporations Act, 1982*.

Dated this 30th day of March, 1984.

D. E. BRANNEN,
President.

(7061) 16

TAKE NOTICE that by a special resolution of North-line Realty Limited dated April 6, 1984 it was required to be wound up voluntarily and Thorne Riddell Inc., Box 262, Commercial Union Tower, Toronto-Dominion Centre, Toronto, Ontario, M5K 1J9 was appointed liquidator of its estate and effects for the purpose of winding up its affairs and distributing its property.

Dated at Toronto, this 6th day of April, 1984.

BRIAN C. KEITH,
Secretary.

(7062) 16

Dissolution of Partnership

IN THE MATTER OF the *Partnerships Act, R.S.O.* 1980, Chapter 370;

TAKE NOTICE that the Partnership between Gino Spadafora and Domenic Brunetti formerly carrying on

business under the firm name and style of Computer Accessory Products was dissolved effective February 15th, 1984.

Dated at Hamilton, Ontario, this 9th day of April, 1984.

MESSRS. YACHETTI, LANZA &
RESTIVO,
Barristers and Solicitors,
507-105 Main Street East,
Hamilton, Ontario L8N 1G6,
Solicitors for Gino Spadafora.

(7063) 16

Change of Name Act

IN THE MATTER OF the *Change of Name Act, R.S.O.* 1980, Chapter 62, and amendments thereto; and

IN THE MATTER OF the application of Kevin Paul Cox to change his name to Kevin Paul Close.

TAKE NOTICE that an application will be made by Kevin Paul Cox, of the City of Kitchener, in the Regional Municipality of Waterloo, to the County Court of the Judicial District of Waterloo, at 20 Weber Street East, Kitchener, Ontario, on Thursday, the 10th day of May, 1984, at the hour of 10.00 o'clock in the forenoon, or so soon thereafter as the matter can be heard, for an Order changing his name from Kevin Paul Cox to Kevin Paul Close.

KEVIN PAUL COX,
By his Solicitor,

DIANE J. LAROCQUE,
Barrister & Solicitor,
Suite 103,
678 Belmont Avenue West,
Kitchener, Ontario N2M 1N6.

(6977) 14 to 16

IN THE MATTER OF the *Change of Name Act, R.S.O.* 1980, c. 62.

TAKE NOTICE that an application will be made before the presiding Judge in Chambers at the Courthouse at 114 Worsley Street, Barrie, Ontario, in the County of Simcoe, on Thursday, May 10, 1984 at the hour of 10.00 o'clock in the forenoon, or so soon thereafter as the application can be heard for an order changing the name of Richard Peter Kaiser to Richard Peter Bakker.

Dated at Barrie, this 21st day of April, 1984.

BELL, TEMPLE,
Barristers & Solicitors,
58 Collier Street,
P.O. Box 907,
Barrie, Ontario L4M 4Y6,
Solicitors for the applicant.

(7048) 16

TAKE NOTICE that an application will be made by Eileen Burton of 1124 Meadowlands Drive, Apt. 204, Nepean, Ontario, before the presiding Judge at the Courthouse, 2 Daly Avenue, Ottawa, on Thursday, the 10th day of May, 1984 at 2.00 o'clock in the after-

noon, or so soon thereafter as the application may be heard to change her name to Ashala Sinclair.

Dated at Ottawa, this 7th day of April, 1984.

MICHAEL N. JONES,
Barrister & Solicitor,
702 - 77 Metcalfe Street,
Ottawa, Ontario K1P 5L6,
Solicitor for the applicant.

(7049) 16

IN THE COUNTY COURT OF THE JUDICIAL DISTRICT OF OTTAWA-CARLETON

IN THE MATTER OF the *Change of Name Act*, R.S.O. 1980, Chapter 62, and amendments thereto; and

IN THE MATTER OF an application by Gary Henry Russell to change his name pursuant to the said Act.

NOTICE

TAKE NOTICE that Gary Henry Russell of 1966 Rosabella, in the City of Ottawa, and Regional Municipality of Ottawa-Carleton, will be making an application for an order changing his name to Gary Henry Neilson on the 15th day of May, 1984 at the County Court of the Judicial District of Ottawa-Carleton, at 2 Daly Avenue, Ottawa, Ontario K1N 6E2.

Dated at Ottawa, this 3rd day of April, A.D. 1984.

UNIVERSITY OF OTTAWA
STUDENT LEGAL AID
SOCIETY,
105 Copernicus Street,
Ottawa, Ontario K1N 7K6,
Agents for the applicant.

(7050) 16

IN THE COUNTY COURT OF THE JUDICIAL DISTRICT OF YORK REGION

IN THE MATTER OF the *Change of Name Act*, R.S.O. 1980, Chapter 62, as amended; and

IN THE MATTER OF the application of Alexander Moncur, of the Town of Markham, in The Regional Municipality of York to change his name to Alexander Robertson and to change the name of his spouse Linda Alice Moncur to Linda Alice Robertson, and his infant son, Alexander Edward Moncur to Alexander Edward Robertson and his infant daughter Teresa Alice Moncur to Teresa Alice Robertson and his infant daughter Adrienne Nicole Moncur to Adrienne Nicole Robertson.

NOTICE OF APPLICATION FOR CHANGE OF NAME

TAKE NOTICE that Alexander Moncur, of the Town of Markham, in The Regional Municipality of York has applied to the County Court of the Judicial District of York Region to change his name to Alexander Robertson and to change the name of his spouse Linda Alice Moncur to Linda Alice Robertson, and his infant son, Alexander Edward Moncur to Alexander Edward Robertson and his infant daughter Teresa Alice Mon-

cur to Teresa Alice Robertson and his infant daughter Adrienne Nicole Moncur to Adrienne Nicole Robertson.

AND TAKE NOTICE that the application will be heard on Thursday, the 17th day of May, 1984 at the County Court House, Newmarket, Ontario.

Dated at Toronto, this 9th day of April, 1984.

SUSAN J. SCHELL,
Barrister & Solicitor,
1199 Weston Road,
Toronto, Ontario M6M 4P6.

(7051) 16

TAKE NOTICE that Edward Joseph Kluska of 111 Sorauren Avenue, Toronto, Ontario, will apply to the Court, 361 University Avenue, Toronto, on May 16, 1984, at 10 a.m. to change his name to Don Landerby.

EDWARD JOSEPH KLUSKA,
by his solicitors,
ATLIN, GOLDENBERG,
439 University Avenue,
Suite 2200,
Toronto, Ontario M5G 1Y8.

(7064) 16

Miscellaneous Notices

IN THE MATTER OF the *Cemeteries Act*, R.S.O. 1980, Chapter 59;

AND IN THE MATTER OF the isolated burials in that parcel or tract of land situate in the Township of Glanbrook, in the Regional Municipality of Hamilton-Wentworth (formerly in the Township of Binbrook, in the County of Wentworth) being that portion of Lot 6, Block 5, Concession 3 designated and known as "THE BARLOW CEMETERY".

NOTICE

TAKE NOTICE that the Barlow Cemetery was declared closed by Ontario Regulation No. 763/83 dated the 1st day of December, 1983 and filed the 5th day of December, 1983; therefore, no further interments shall take place therein.

AND FURTHER TAKE NOTICE that the Corporation of the Township of Glanbrook intends to apply to the Lieutenant-Governor-in-Council for an order directing the removal of the bodies found in the Barlow Cemetery for re-interment in an established cemetery; namely, the Binbrook Baptist Cemetery located in Binbrook Village being Part of Lot 1, Block 4, Concession 3, Binbrook, now in the Township of Glanbrook.

Dated at Glanbrook, this 20th day of March, 1984.

CRAIG SWITZER,
Clerk,
The Corporation of the
Township of Glanbrook,
Mount Hope, Ontario L0R 1W0.

(6961) 14 to 17



Ontario Energy Board

NOTICE OF CERTIFICATE AND FRANCHISE APPLICATIONS

TAKE NOTICE that The Consumers' Gas Company Ltd. has applied to the Ontario Energy Board under sections 8 and 9 of the *Municipal Franchises Act*, for a certificate of public convenience and necessity for the Village of Braeside, County of Renfrew, and for approval of a proposed by-law of the Village of Braeside authorizing the execution of an agreement between that municipality and the applicant, granting to it a franchise for the distribution of natural gas in the municipality.

ALSO TAKE NOTICE that the Board will be asked to declare and direct that the assent of the municipal electors to the proposed franchise by-law is not necessary.

This notice does not constitute service but is published as a matter of record only.

Dated at Toronto, this 27th day of March, 1984.

ONTARIO ENERGY BOARD:

S. A. C. THOMAS,
Board Secretary.

(7052) 16

Sheriffs' Sales of Lands

UNDER AND BY VIRTUE OF a Writ of *fieri facias*, issued in the District Court of the District of Algoma, wherein Avco Financial Services Canada Limited is named Plaintiff and Stanley R. Woodcox and Shirley Woodcox are named Defendants and directed to me against the goods and chattels and lands and tenements of Stanley R. Woodcox and Shirley Woodcox, I have seized and taken in execution all the estate, right, title, interest and equity of redemption, of the said Stanley R. Woodcox and Shirley Woodcox, in and to:

That certain parcel or tract of land and premises situate, lying and being in the Township of Aweres, known as R.R. #2, Trout Lake Road, in the District of Algoma and being composed of Lot No. 30, according to a Plan thereof, registered in the Land Registry Office for the District of Algoma, as on Plan No. H-626.

All of which said estate, right, title, interest and equity of redemption of the said Stanley R. Woodcox and Shirley Woodcox, in the said lands together with any buildings situate thereon, if any, I shall offer for sale by public auction in my office at the Courthouse in the City of Sault Ste. Marie, District of Algoma on Friday, May 18th, 1984 at 11.00 o'clock in the forenoon, unless same is sooner paid or satisfied.

Terms: Cash or certified cheque
Deposit 10% at time of sale
Balance payable within 10 days
Delivery only on payment in full

Dated at Sault Ste. Marie, this 2nd, day of April, 1984.

This sale is subject to cancellation up to time of sale without any further notice.

S. LAWRENCE RUSSELL,
Acting Sheriff of Algoma.

(7053) 16

UNDER AND BY VIRTUE OF a Writ of *fieri facias*, issued out of the District Court, District of Sudbury and to me directed, against the lands and tenements of George Szvec, administrator of the estate of Roman Szvec, Defendant, at the suit of Katerina Halikia, I have seized and taken in execution all the right, title, interest and equity of redemption of George Szvec, administrator of the estate of Roman Szvec in and to:

1. Being Lot Number 241, Parcel 15655 "A" of Lot 7, Con. V in the Twp. of Merritt, Plan M-78 Sudbury West Section, municipally known as 131 Annette Street, Espanola, Ontario.

2. Being Lot Number 242, Parcel 17308 of Lot 7, Con. V in Twp. of Merritt, Plan M-78, Sudbury West Section, municipally known as 125 Annette Street Espanola, Ontario.

The above will be offered for sale by public auction on Wednesday, May 23rd, 1984 at 1.00 p.m., Town Offices Court Room (upstairs), 100 Tudhope Street, Espanola, Ontario.

Terms: Cash or certified cheque
Deposit of 10% of bid price at time of sale (minimum of \$300.00)
Delivery only on payment in full
Ten days to arrange financing

This sale is subject to cancellation up to time of sale and without further notice.

Dated at Sudbury, this 30th day of March, 1984.

ALEXANDRE P. COURJAUD,
Sheriff, District of Sudbury.

(7054) 16

Publications Under The Regulations Act

April 21st, 1984

POWER CORPORATION ACT

O. Reg. 183/84.
Electrical Safety Code.
Made—January 16th, 1984.
Approved—March 29th, 1984.
Filed—March 30th, 1984.

POWER CORPORATION ACT

REGULATION MADE UNDER THE POWER CORPORATION ACT

ELECTRICAL SAFETY CODE

SECTION 0—INTERPRETATION

0-002 In this Code:

1. "acceptable" means acceptable to an inspector;
2. "accessible" when applied to wiring methods means that the wiring is not permanently closed in by the structure or finish of a building and is capable of being removed without disturbing the building structure or finish;
3. "accessible" when applied to electrical equipment means that the equipment may be closely approached because it is not guarded by locked doors, elevation, or other effective means;
4. "adapter" means an electrical device designed to adapt one configuration of a receptacle to another;
5. "alive" or "live" means electrically connected to a source of potential difference, or electrically charged so as to have a potential different from that of the earth; and in this Code "current-carrying" has the same meaning where the intention is clear;
6. "aluminum-sheathed cable" means a cable consisting of one or more conductors of approved type assembled into a core and covered with a liquid- and gas-tight sheath of aluminum or aluminum alloy;
7. "ampacity" means current-carrying capacity of electric conductors expressed in amperes;
8. "approved" means authorized or approved in accordance with the Code;
9. "authorized person" means a qualified person who by the nature of his duties or occupa-

tion is obliged to approach or handle electrical equipment, or a person who, having been warned of the hazards involved, has been instructed or authorized to do so by someone having authority to give the instruction or authorization;

10. "auxiliary gutter" means a raceway consisting of a sheet metal enclosure used to supplement the wiring space of electrical equipment and to enclose interconnecting conductors;
11. "AWG" means the American (or Brown and Sharpe) wire gauge as applied to non-ferrous conductors and non-ferrous sheet metal;
12. "bathroom" means a room containing a bathtub or a shower;
13. "boat" means any ship or vessel, except a seaplane, used or designed to be used in navigation;
14. "branch circuit" means that part of a circuit extending beyond the final overcurrent devices in the circuit;
15. "building" means a structure that stands alone or which is cut off from adjoining structures by unpierced fire-walls or by openings protected by approved fire-doors;
16. "bus" means a conductor which serves as a common connection for the corresponding conductors of two or more circuits;
17. "busway" means a raceway consisting of a system of metal troughing, including its elbows, tees, crosses and straight runs, containing conductors supported on insulators;
18. "cabinet" means an enclosure of adequate mechanical strength, composed entirely of noncombustible and absorption-resistant material, designed either for surface or flush mounting and provided with a frame, mat, or trim, in which swinging doors are hung;
19. "cabletrough" means a raceway consisting of metal troughing and fittings therefor, so formed and constructed that insulated conductors and cables may be readily installed or removed after the cabletrough has been completely installed, without injury either to conductors or their covering, and,
 - (a) "ladder cabletrough" means a cabletrough with openings exceeding 50 millimetres in a longitudinal direction;

- (b) "non-ventilated cabletrough" means a cabletrough in which there are no ventilating openings in the bottom or sides;
- (c) "ventilated cabletrough" means a cabletrough having adequate ventilating openings with no opening exceeding 50 millimetres in a longitudinal direction;
20. "cell" means one of the hollow spaces, suitable for use as a raceway, of a cellular metal or cellular concrete floor, the axis of the cell being parallel to the longitudinal axis of the floor members;
21. "cellular floor" means an assembly of metal or concrete floor members containing cells;
22. "circuit-breaker" means an electro-mechanical device designed to automatically open a current-carrying circuit on a pre-determined over-current, under both overload and short-circuit conditions without injury to the device;
23. "combustible construction" as applied to a building means that type of construction in which the structural elements are constructed wholly or partly of wood members which do not meet the requirements for heavy timber (mill type) construction and may include noncombustible as well as combustible elements;
24. "communication circuit" means a circuit which is part of a communication system;
25. "communication system" means an electrical system whereby information or signals may be received and/or transmitted, including telephone, telegraph, data communications, intercommunications, paging, wired music, nurse call, community antenna distribution and other systems of similar nature, but does not include alarm systems such as fire, smoke or intrusion alarm systems or radio and television communication or closed circuit television equipment;
26. "concealed" means rendered permanently inaccessible by the structure or finish of a building;
27. "conductor" means a wire, cable or other form of metal installed for the purpose of conveying electric current from one piece of electrical equipment to another or to ground;
28. "conduit" means a raceway of circular cross-section into which it is intended that conductors be drawn and includes rigid conduit (metallic and non-metallic) and flexible conduit, and,
- (a) "rigid conduit" means a rigid conduit of metallic or non-metallic material;
- (b) "rigid FRE conduit" means a rigid non-metallic conduit of fibreglass reinforced thermoset epoxy resin suitable for direct burial or encasement in concrete;
- (c) "rigid metal conduit" means a rigid conduit of metallic material made the same dimensions as standard pipe and suitable for threading with standard pipe threads;
- (d) "rigid non-metallic conduit" means a rigid conduit of non-metallic material that is not permitted to be threaded;
- (e) "rigid PVC conduit" means a rigid non-metallic conduit of unplasticized polyvinyl chloride;
- (f) "rigid Type I non-metallic conduit" means a rigid non-metallic conduit of bituminized fibre or asbestos cement requiring encasement in concrete;
- (g) "rigid Type II non-metallic conduit" means a rigid non-metallic conduit of bituminized fibre or asbestos cement of heavier construction than Type I and therefore not requiring encasement in concrete;
- (h) "flexible conduit" means a conduit of metallic material which may be easily bent without the use of tools;
- (i) "liquid-tight flexible metal conduit" means a flexible metal conduit having an outer liquid-tight jacket;
29. "connection authorization" means written permission by the inspection department to a supply authority, or any other person or corporation, to supply electric energy to a particular electrical installation;
30. "connector",
- (a) "box connector" means a device for securing a cable, via its sheath or armour, where it enters an enclosure such as an outlet box;
- (b) "wire connector" means a device which connects two or more conductors together or one or more conductors to a terminal point for the purpose of connecting electrical circuits;
31. "contractor" means any person who as principal, servant or agent, by himself or his associates, employees, servants or agents performs or engages to perform either for his own use and benefit or for that of another and for or without remuneration or gain any work with respect to any electrical installation or any other work to which this Code applies;
32. "control circuit" means the circuit that carries the electric signals directing the performance

of a control device, but does not carry the power that the device controls;

33. "controller" means a device or a group of devices for controlling in some predetermined manner the electric power delivered to the apparatus to which it is connected;
34. "cord set" means a length of flexible cord or power supply cable with an attachment plug connected to one end of it and a cord connector connected to its other end;
35. "cutout box" means an enclosure of adequate mechanical strength, composed entirely of noncombustible and absorption-resistant material, designed for surface mounting and having swinging doors or covers secured directly to, and telescoping with, the walls of the box proper;
36. "dead" when applied to electrical equipment means that the current-carrying electrical equipment is free from any electrical connection to a source of potential difference and from electrical charge or has not a potential different from that of earth;
37. "dead front" when applied to electrical equipment means that the electrical equipment is so constructed that all live parts, except the wells for plug fuses in panelboards and in enclosed branch-circuit cut-outs, are enclosed in such manner as to be inaccessible;
38. "different systems" means systems which derive their energy from different transformers or from different banks of transformers or from different generators or other sources;
39. "disconnecting means" means a device, group of devices, or other means whereby the conductors of a circuit can be disconnected from their source of supply;
40. "dust-tight" means an enclosure constructed so that dust cannot enter it;
41. "duty" means a requirement of service that specifies the degree of regularity of the load; and,
 - (a) "continuous duty" means a requirement of service that demands operation at a substantially constant load for an indefinitely long time;
 - (b) "short time duty" means a requirement of service that demands operation at a substantially constant load for a short and definitely specified time;
 - (c) "intermittent duty" means a requirement of service that demands operation for definitely specified alternate intervals of,
 - (i) load and no load,
 - (ii) load and rest, or
 - (iii) load, no load and rest;
 - (d) "periodic duty" means a type of intermittent duty in which the load conditions are regularly recurrent;
 - (e) "varying duty" means a requirement of service that demands operation at loads and for intervals of time, both of which may be subject to wide variation;
42. "dwelling unit" means one or more rooms intended for the use of one or more persons as a housekeeping unit containing cooking, eating, living, sleeping and sanitary facilities;
43. "electric elevator" means an elevator in which the motion of the car or platform is obtained through an electric motor applied directly to the elevator machinery;
44. "electrical equipment" means any apparatus, appliance, device, instrument, fitting, fixture, machinery, material or thing used in or for, or capable of being used in or for, the generation, transformation, transmission, distribution, supply, or utilization of electric power or energy, and without restricting the generality of the foregoing, includes any assemblage or combination of materials or things which is used, or is capable of being used, or adapted to serve or perform any particular purpose or function when connected to an electrical installation, notwithstanding that any of such materials or things are mechanical, metallic or non-metallic in origin;
45. "electrical installation" means a system or part of a system of wiring installed or to be installed in or upon any land, building or premises from the point or points of delivery of electrical power or energy therein or thereon, up to the point or points where the power or energy can be consumed or used therein or thereon by any electrical equipment, and the expressions "work on an electrical installation" or "make an electrical installation" include the installation, maintenance, alteration, extension and repair of the wiring and the connection of the wiring with any of the electrical equipment or with any other part of the wiring system;
46. "electrical metallic tubing" means a metal raceway into which it is intended that conductors shall be drawn, and which has a circular cross-section, a wall thinner than that of rigid metal conduit and an outside diameter sufficiently different from that of rigid conduit to render it impracticable for threading it with standard pipe-thread;
47. "electrical room" means a room that is intended for the exclusive installation of electrical equipment;

48. "elevator" means a hoisting and lowering mechanism equipped with a car or platform which moves in guides in a substantially vertical direction but not including tiering-machines or piling-machines which operate within one storey, or endless belts, conveyors, chains, buckets or similar devices used for the purpose of elevating materials;
49. "elevator machinery" means the machinery and its equipment used in raising and lowering the elevator car or platform;
50. "emergency and exit lights" means all lights required by law for the purpose of facilitating safe exit in case of fire or other emergency;
51. "explosion proof" means enclosed in a case that is capable of withstanding without damage an explosion that may occur within it of a specified gas or vapour and which is also capable of preventing the ignition of a specified gas or vapour surrounding the enclosure from sparks, flashes or explosion of the specified gas or vapour within the enclosure;
52. "exposed" as applied to live parts means that a live part can be inadvertently touched or approached more closely than is safe by any person and the term is applied to parts not suitably guarded, isolated or insulated;
53. "exposed" as applied to wiring methods means not concealed;
54. "extra-low-voltage power circuit" means a circuit, such as valve operator and similar circuits, which is neither a remote control circuit nor a signal circuit, but which operates at not more than 30 volts and which is supplied from a transformer or other device restricted in its rated output to 1,000 volt-amperes and approved for the purpose, but in which the current is not limited in accordance with the requirements for a Class 2 circuit;
55. "feeder" means a conductor or group of conductors which transmits electrical energy from a service supply, transformer, switchboard, distribution centre, generator or other source of supply to branch-circuit overcurrent devices;
56. "fire resisting" as applied to buildings means constructed of masonry, reinforced concrete or equivalent materials in accordance with the requirements of the fire underwriters;
57. "flame-retardant" when applied to a material means that the material will not burn for more than a specified period of time and will not permit flame to travel or extend beyond a specified distance;
58. "flammable" means capable of being easily set on fire;
59. "flexible tubing" means flexible non-metallic tubing commonly known as loom for the mechanical protection of insulated wires;
60. "ground" means a connection to earth of electrical equipment by means of a ground electrode;
61. "grounding electrode" means,
 - (a) a metallic water piping system; or
 - (b) a metal object or device,
buried in, or driven into, the earth so as to make intimate contact therewith, to which a grounding conductor is electrically and mechanically connected;
62. "ground fault circuit interrupter" means a device which will interrupt, within a predetermined time, the electrical circuit to the load when a current to ground exceeds some predetermined value that is less than that required to operate the overcurrent protective device of the supply circuit;
63. "grounded" means connected effectually with the general mass of the earth through a grounding path of sufficiently low impedance and having current-carrying capacity sufficient at all times, under the most severe conditions which are likely to arise in practice, to prevent any current in the grounding conductor from causing a harmful voltage to exist:
 - (a) between the grounding conductors and neighboring exposed conducting surfaces which are in good contact with the earth; or
 - (b) between the grounding conductors and neighboring surfaces of the earth itself;
64. "grounding conductor" means a path of copper or other suitable metal specially arranged as a means whereby electrical equipment is electrically connected to a ground electrode;
65. "grounding system" means all conductors, clamps, ground clips, ground plates or pipes, and ground electrodes by means of which electrical equipment or an electrical installation is grounded;
66. "guarded" when applied to electrical equipment means that the electrical equipment is so covered, shielded, fenced, enclosed or otherwise protected by means of suitable covers, casings, barriers, rails, screens, mats or platforms as to remove the likelihood of dangerous contact or approach by persons or objects;
67. "header" means a transverse raceway for electrical conductors providing access to predetermined cells of a cellular metal or concrete floor permitting the installation of

conductors from a distribution centre to the cells;

68. "hoistway" means a shaftway, hatchway, well hole or other vertical opening or space in which an elevator, escalator or dumb-waiter operates or is intended to operate;

69. "identified",

(a) when applied to a conductor means that the conductor has,

(i) a white or natural grey covering; or

(ii) a raised longitudinal ridge or ridges on the surface of the extruded covering on certain flexible cords,

either of which indicates that the conductor is either a grounded conductor or a neutral, and,

(b) when applied to other electrical equipment means that the terminals to which grounded or neutral conductors are to be connected have been distinguished for identification by being tinned, nickel plated or otherwise suitably marked;

70. "inaccessible" when applied to a room or compartment means that the room or compartment is sufficiently remote from access or so placed or guarded that unauthorized persons cannot inadvertently enter the room or compartment, and when applied to electrical equipment means that the electrical equipment is covered by the structure or finish of the building in which it is installed or maintained or is sufficiently remote from access or so placed or guarded that unauthorized persons cannot inadvertently touch or interfere with the equipment;

71. "industrial establishment" means a building or part of a building in which any manufacturing process, assembling or handling of materials in connection with the manufacturing, preparing, treating or finishing of any goods or products, is carried on;

72. "inspection department" means Ontario Hydro;

73. "inspector" means any person duly appointed by the inspection department for the purpose of enforcing this Code;

74. "insulated" means separated from other conducting surfaces by a dielectric material or air space having a degree of resistance to the passage of current and to disruptive discharge sufficiently high for the condition of use;

75. "insulating" as applied to non-conducting substances means that they are capable of bringing about the condition defined as insulated;

76. "intrinsically safe" as applied to electrical equipment or electrical installation means that any sparking or thermal effect that may occur either in the normal use of the electrical equipment or installation or the use of the same under any condition of fault likely to occur therein in practice, is safe, such as to be incapable of causing an ignition of flammable gas, vapour or dust;

77. "lampholder" means a device constructed for the mechanical support of lamps and for connecting them to circuit conductors;

78. "lighting fixture raceway" means a raceway which may or may not be a part of a lighting fixture and which is designed to support or suspend the lighting fixture or to hold conductors supplying power to the lighting fixture;

79. "location",

(a) "ordinary location" means a dry location in which at normal atmospheric pressure and under normal conditions of use, electrical equipment is not unduly exposed to injury from mechanical causes, excessive dust, moisture or extreme temperatures, and in which electrical equipment is entirely free from the possibility of injury through corrosive, flammable or explosive atmospheres;

(b) "damp location" means a location which is normally or periodically subject to condensation of moisture in, on or adjacent to electrical equipment;

(c) "dry location" means a location where electrical equipment is installed that is not normally or periodically a damp location but may be a location subject to temporary dampness in the case of a building under construction, provided ventilation is adequate to prevent an accumulation of moisture;

(d) "wet location" means a location in which liquids may drip, splash or flow on or against electrical equipment;

(e) "hazardous location" means premises, buildings or parts thereof in which there exists the hazard of fire or explosion because,

(i) highly flammable gases, flammable volatile liquids, mixtures or other highly flammable substances are manufactured or used or are stored in other than original containers,

(ii) combustible dust or flyings are likely to be present in quantities sufficient

to produce an explosive or combustible mixture, or where it is impracticable to prevent such dust or flyings from being deposited upon incandescent lamps or from collecting in or upon motors or other electrical equipment in such quantities as to produce overheating by reason of the prevention of normal radiation,

- (iii) easily ignitable fibres or materials producing combustible flyings are manufactured, handled or used in a free open state, or
 - (iv) easily ignitable fibres or materials producing combustible flyings are stored in bales or containers but are not manufactured, handled or used in a free open state;
- 80. "low-energy power circuit" means a circuit other than a remote control or signal circuit for which the power supply is limited in accordance with the requirements for Class 2 remote control circuits;
 - 81. "low-voltage protection" means the effect of a device operative on the reduction or failure of voltage to cause and maintain the interruption of power to the main circuit;
 - 82. "low-voltage release" means the effect of a device operative on the reduction or failure of voltage to cause the interruption of power to the main circuit, but not to prevent its re-establishment on the return of voltage to safe operating value;
 - 83. "machine tool, metal cutting" means a power driven device, not portable by hand, used for the purpose of removing metal in the form of chips;
 - 84. "machine tool, metal forming" means a power driven machine not portable by hand, used to press, forge, emboss, hammer, blank or shear metals;
 - 85. "mineral-insulated cable" means a cable having one or more bare solid conductors supported and insulated by a highly compressed refractory material enclosed in a liquid-tight and gas-tight metallic tube sheathing and the term includes both the regular type (MI) and the light-weight type (LWMI) unless otherwise qualified;
 - 86. "mobile home" means a portable dwelling constructed to be towed on its own chassis, designed for use without a permanent foundation on a temporary or permanent basis and which has provision for connection to a supply service;
 - 87. "mobile industrial or commercial structure" means a portable structure other than a mobile home constructed to be towed on its own chassis, designed for use without

a permanent foundation on a temporary or permanent basis and which has provision for connection to a supply service;

- 88. "MSG" means the Manufacturer's Standard Gauge for uncoated steel;
- 89. "multi-outlet assembly" means a surface or flush enclosure carrying conductors for extending one 2-wire or multi-wire branch circuit to two or more receptacles of the grounding type that are attached to the enclosure;
- 90. "multiple section mobile unit" means a structure formed by the mechanical and electrical coupling together of two or more mobile units;
- 91. "multi-winding motor" means a motor having multiple windings or tapped windings, or both, designed for connection or reconnection in more than one configuration to operate at speeds and voltages respective to the configurations;
- 92. "multi-wire branch circuit" means a branch circuit consisting of two or more ungrounded conductors having a voltage difference between them, and an identified grounded conductor having equal voltage between it and each ungrounded conductor with the identified grounded conductor connected to the neutral conductor;
- 93. "neutral conductor" means that conductor of a polyphase circuit, or of a single-phase, 3-wire circuit having an approximately uniform potential difference and an equal spacing in phase with each of the other conductors;
- 94. "noncombustible" means incapable of sustaining combustion in air, either when ignited or when subjected to and maintained at a high temperature;
- 95. "non-incendive circuit" means a circuit or part of a circuit in which any sparking that may be produced by normally arcing parts is incapable, under normal operating conditions, of causing an ignition of the prescribed flammable gas, vapour or dust;
- 96. "non-relocatable structure" means a factory-built unit intended for use on permanent foundations;
- 97. "open" as applied to electrical equipment means that moving parts, windings or live parts are exposed to accidental contact;
- 98. "outlet" means a point in the electrical installation at which current is taken to supply utilization equipment;

99. "out-of-reach" means that equipment is located more than 1.5 metres horizontally or more than 2.5 metres vertically from any floor, platform or other surface from which it would otherwise be readily accessible;
100. "outline lighting" means an arrangement of incandescent lamps or electric discharge tubing, outlining or accentuating certain features of buildings;
101. "overcurrent device" means any device capable of automatically opening an electric circuit both under predetermined overload and short-circuit conditions, either by fusing of metal or by electro-mechanical means;
102. "overload device" means a device affording protection from excess current but not necessarily short-circuit protection, and capable of automatically opening an electric circuit either by the fusing of metal or by electro-mechanical means;
103. "panelboard",
 - (a) "panelboard" means an assembly of buses and connections, overcurrent devices and control apparatus, with or without switches, or other equipment, constructed for installation as a complete unit in a cabinet; and
 - (b) "enclosed panelboard" means an assembly of buses and connections, overcurrent devices and control apparatus, with or without switches, or other equipment, installed in a cabinet;
104. "part-winding start motor" means a motor the starting of which entails the energizing of part of its primary winding as a first step and the energizing of the remainder of this winding as the next step or steps;
105. "plenum" means a chamber associated with air-handling apparatus, for distributing the processed air from the apparatus (supply plenum) to the supply ducts or for receiving air to be processed by the apparatus (return plenum);
106. "portable ground fault circuit interrupter" means a ground fault circuit interrupter that is either of the direct plug-in type or specifically designed to receive current by means of a flexible cord or cable and an attachment plug and which incorporates one or more receptacles for the connection of equipment which is provided with a flexible cord or cable and an attachment plug;
107. "portable" as applied to electrical equipment means the equipment is specifically designed not to be used in a fixed position and receives current through the medium of a flexible cord or cable, and usually an attachment plug;
108. "power supply cord" means a length of flexible cord or power supply cable with an attachment plug at one end;
109. "protected" as applied to electrical equipment means the equipment is constructed so that the electrical parts are protected against damage from foreign objects;
110. "qualified person" means a person familiar with the construction and operation of the apparatus and the hazards involved;
111. "raceway" means any channel for holding wires, cables or bus bars, which is designed expressly for and used solely for this purpose, and unless otherwise qualified in this Code, including rigid, flexible, metallic and non-metallic conduit, electrical metallic tubing, underfloor raceways, lighting fixture raceways, cellular floor raceways, surface raceways, wire-ways, cabletroughs, busways, auxiliary gutters and ventilated cableway;
112. "readily accessible" means capable of being reached quickly without climbing over or removing obstacles or resorting to portable ladders, chairs or similar aids;
113. "receptacle" means one or more female contact devices, on the same yoke, installed at an outlet for the connection of one or more attachment plugs, and,
 - (a) "single receptacle" means one female contact device, with no other contact device on the same yoke, installed at an outlet for the connection of one attachment plug;
 - (b) "duplex receptacle" means two female contact devices, on the same yoke, installed at an outlet for the connection of two attachment plugs;
 - (c) "split receptacle" means a duplex receptacle having terminals adapted for connection to a grounded, three-wire supply, such as 120/240 volts or 120/208 volts;
114. "recreational vehicle" means a portable structure other than a mobile home intended as temporary living accommodation, including structures commonly referred to as travel trailers, motorized homes, slide-in campers, chassis-mounted campers and tent-trailers, having:
 - (a) an overall length not exceeding 11 metres; and
 - (b) an overall width not exceeding 2.6 metres (where width means the sum of the distances from the vehicle centre line

to the outermost projections on each side when the vehicle is folded or condensed for transit);

115. "relocatable structure" means any factory-built building or structure intended for use without a permanent foundation;
116. "remote control circuit" means any electrical circuit which controls any other circuit through a relay or an equivalent device;
117. "repellent" used as a suffix (such as moisture-repellent) means constructed, treated or surfaced so that liquid will tend to run off, and cannot readily penetrate the surface;
118. "resistant" used as a suffix means constructed, protected or treated so that it will not be injured readily when subjected to the specified material or condition;
119. "separate built-in cooking unit" means a stationary cooking appliance, including its integral supply leads or terminals, and consisting of one or more surface elements or ovens, or a combination of these, constructed so that the unit is permanently built into a counter or wall;
120. "service",
 - (a) "consumer's service" means all that portion of the consumer's installation from the service box or its equivalent up to and including the point at which the supply authority makes connection;
 - (b) "supply service" means any one set of conductors run by a supply authority from its mains to a consumer's service;
 - (c) "service agreement" means a form of agreement prescribed or approved by the inspection department and pertaining to the labelling or re-examination of approved electrical equipment;
 - (d) "service box" means an approved assembly consisting of a metal box or cabinet constructed so that it may be effectually locked or sealed, containing either service fuses and a service switch or a circuit breaker and of such design that either the switch or circuit breaker may be manually operated when the box is closed;
121. "shock-proof" as applied to X-ray and high-frequency equipment, means that the equipment is guarded with grounded metal so that no person can come into contact with any live part;
122. "signal circuit" means any electrical circuit, other than a communication circuit, which supplies energy to a device that gives a recognizable signal, such as circuits for doorbells, buzzers, code-calling systems, signal lights and similar devices;

123. "single-family dwelling" means a dwelling unit intended for the use of one family only, that consists of a detached house, one unit of row housing or one unit of a semi-detached, duplex, triplex or quadruplex house;
124. "slow-burning" as applied to conductor insulation means the insulation has flame-retardant properties;
125. "soldered" means a uniting of metallic surfaces by the fusion thereon of a metallic alloy, usually of lead and tin;
126. "special permission" means the permission of an inspector;
127. "splitter" means an enclosure containing terminal plates or bus bars having main and branch connectors;
128. "starter" means an electric controller for accelerating a motor from rest to normal speed, for stopping the motor and usually implies inclusion of overload protection;
129. "supply authority" means any person, firm, corporation, company, commission or other organization supplying electric power or energy;
130. "surface raceway" means a raceway in the form of a channel with a backing and capping for loosely holding conductors and cables in surface wiring;
131. "switch" means a device for making, breaking or changing connection in a circuit; and
 - (a) "general use switch" means a switch intended for use in general distribution and branch-circuits and which is rated in amperes and capable of interrupting its rated current at rated voltage;
 - (b) "indicating switch" means a switch designed or marked to show readily whether the switch is in an "On" or "Off" position;
 - (c) "isolating switch" means a switch intended for isolating a circuit or electrical equipment from the source of supply of electrical power or energy, but does not include a switch intended for establishing or interrupting the flow of current in a circuit;
 - (d) "motor-circuit switch" means a fused or unfused manually-operated knife or snap switch rated in horsepower;
132. "switchboard" means a panel or assembly of panels on which is mounted any combination

of switching, measuring, controlling and protective devices, buses and connections designed with a view to successfully carrying and rupturing the maximum fault current encountered when controlling incoming and outgoing feeders;

133. "theatre" means a building, or any portion thereof, which is used for public dramatic, operatic, motion-picture or other performances;
134. "thermal cut out" means a device affording protection from excessive current but not necessarily short-circuit protection, and containing a heating element in addition to, and affecting, a fusible member which opens the circuit;
135. "underfloor raceway" means a raceway suitable for use in the floor;
136. "utilization equipment" means equipment that utilizes electrical energy for mechanical, chemical, heating, lighting or a similar useful purpose;
137. "vault" means a transformer vault, or an electrical equipment vault consisting of an isolated enclosure, either above or below ground, with fire-resisting walls, ceilings and floors for the purpose of housing transformers and other electrical equipment;
138. "ventilated flexible cableway" (VFC) means a ventilated metal raceway into which conductors may be drawn, designed so as to be rigid in one plane and flexible in another plane at a 90 degree angle to the first plane and constructed so that approximately 30 per cent of its surface consists of ventilating openings;
139. "voltage of a circuit" means the greatest root mean square (effective) voltage between any two conductors of the circuit concerned;
140. "voltage to ground" means the voltage between any live ungrounded part and any grounded part in the case of grounded circuits, or the greatest voltage existing in the circuit in the case of ungrounded circuits, and,
- (a) "voltage, extra low" means any voltage up to and including 30 volts;
 - (b) "voltage, low" means any voltage from 31 to 750 volts inclusive;
 - (c) "voltage, high" means any voltage above 750 volts;
141. "wire television distribution system" means a distribution system of coaxial or other suitable cable or wire, together with any necessary amplifiers, which is used in the transmission of television signals;

142. "wireway" means a raceway consisting of a completely enclosed system of metal troughing, and fittings therefor, so formed and constructed that insulated conductors may be readily drawn in and withdrawn, or laid in and removed, after the system has been completely installed without injury either to conductors or their covering.

SECTION 2—ADMINISTRATION GENERAL RULES

General

2-000 Scope. This Code does not apply to:

- (1) electrical equipment and electrical installations used exclusively in the generation, transformation or transmission of electrical power or energy intended for sale or distribution to the public;
- (2) electrical equipment and electrical installations in communication systems from the transformer or other current limiting device used at the junction of the communication system with the electric circuit supplying the communication system;
- (3) electrical equipment and electrical installations in the cars, car-houses, passenger stations or freight stations used in the operation of an electric railway or electric street railway and supplied with electric current from the railway power-circuit;
- (4) electrical equipment and electrical installations in railway locomotives and railway cars and in signalling systems, communication systems, wayside train monitoring systems and track facilities including the branch circuit supplying such electrical equipment or electrical installations when such electrical equipment or electrical installation is used in the operation of a railway;
- (5) electrical equipment and electrical installations on an aircraft;
- (6) electrical equipment and electrical installations in a mine as defined in *The Mining Act* excepting any dwelling house or other building not connected with or required for mining operations or purposes or used for the treatment of ore or mineral;
- (7) electrical equipment and electrical installations on a boat of non-Canadian registry or on a boat that is required to be certified in accordance with the *Canada Shipping Act* except for such equipment and installations required to connect

the electrical supply from the on shore electrical supply facility to the service box on the boat and including the service box.

2-002 Special Requirements. Sections devoted to rules governing particular types of installations are not intended to embody all rules governing these particular types of installations, but cover only those special rules which are additional to or amendatory of those prescribed in other sections covering installations under ordinary conditions.

2-004 Inspection

(1) A contractor shall file with the inspection department a completed application for inspection of any work on an electrical installation:

(a) Before or within 48 hours after commencement of the work whether or not electrical power or energy has been previously supplied to the land, building or premises on which the work was performed; and

(b) Shall pay the fees prescribed by the inspection department therefor at the time the application is made.

(2) An application for inspection which has been refused in accordance with the provisions of Rule 2-008 shall, for purposes of Subrule (1) hereof, be deemed not to be a completed application.

(3) Subject to the provisions of Rule 2-008, payment of the fees prescribed by the inspection department entitles the contractor to one complete inspection of the installation.

(4) Every contractor who undertakes an electrical installation is responsible for procuring its inspection by the inspection department before the installation is used for any purpose.

(5) The contractor shall give to the inspection department at least forty-eight hours' notice in writing that the work on the electrical installation has been completed and that the installation is ready for inspection, but where the work is being performed in a remote district or is not immediately accessible for any other reason, the notice shall be of such greater length as is necessary to accommodate the inspection schedule of the inspection department.

(6) The inspection shall be made at such time and in such manner as the inspection department determines.

(7) No electrical installation shall be concealed or rendered inaccessible, until it has been inspected by an inspector and found to conform to this Code.

2-006 Annual Inspection

(1) An annual application for inspection may be made by the owner or occupant of any manufacturing, mercantile or other building where in the opinion of the inspection department electrical installation work of a routine nature in connection with the maintenance or operation of the building or the plant therein is required to be performed at frequent intervals, and

where the owner or occupant employs his own electricians for the purpose.

(2) Acceptance of the application by the inspection department shall authorize the commencement and carrying out of such work during the year for which the acceptance is issued and Rule 2-004 does not apply.

(3) The owner or occupant shall, as the work is performed, record it on a form provided by the inspection department which shall be produced to any inspector at any time and from time to time upon request and the inspection shall be made at such time and in such manner as the inspection department determines.

2-008 Right of Refusal. The inspection department may refuse an application for inspection to any person who has failed to pay any fees or dues owing to the inspection department for a period of more than thirty days or who has failed to remedy defects in any electrical work or installation after having been notified by the inspection department that the defects exist, until the fees have been paid or the defects have been remedied.

2-010 Plans and Specifications. No contractor shall commence work on any electrical installation consisting of:

(a) The installation of a wiring system in any public building, commercial or industrial establishment, apartment house or other building in which the public safety may be involved; or

(b) The installation of generators, transformers, switchboards, large storage batteries and similar equipment,

or that in the opinion of the inspection department is of special magnitude or nature without first filing with the inspection department in duplicate, or in greater number if required, complete wiring plans and specifications relating to the proposed work and obtaining the written approval of the inspection department therefor.

2-012 Connection Authorization

(1) Where any electrical installation or part thereof to which electric power or energy has not previously been supplied is made in or upon any land, building or premises or subject to Subrule (2) hereof, where any electrical installation or part thereof has been disconnected or cut off from any service or other source of supply under this Code, no supply authority, contractor or other person shall connect or re-connect the installation or part thereof to any service or other source of supply unless:

(a) The installation and all work in respect thereof have been inspected by an inspector; and

(b) A connection authorization has been issued by the inspection department in respect of the installation.

(2) Where any electrical installation or part thereof has been disconnected or cut off from a source of supply by a supply authority for six

months or less for non-payment of rates or because of a change of occupancy of premises, the supply authority may reconnect the installation or part thereof without obtaining a connection authorization.

2-014 Temporary Connection Authorization

(1) Notwithstanding the provisions of Rule 2-012, the inspection department may issue a temporary connection authorization authorizing a supply authority to connect its lines for a stated length of time to a temporary electrical installation or to a permanent but unfinished electrical installation and may renew the connection authorization from time to time.

(2) Issuance of a temporary connection authorization does not obligate the inspection department to issue a permanent connection authorization where a contractor has not complied with this Code.

2-016 Re-inspection. The inspection department may at any time re-inspect any electrical installation notwithstanding any previous inspection and acceptance of the installation.

2-018 Defects

(1) Every contractor who has performed work on an electrical installation and has been notified by the inspection department that the installation does not conform to this Code shall remedy all defects in workmanship and replace all electrical equipment that is not approved within such time and in such manner as the notice from the inspection department directs.

(2) The inspection department may by notice in writing require any owner or occupant of land, buildings or premises, upon or within which is found an electrical installation in which in the opinion of an inspector a condition dangerous to persons or property has developed, to make such changes in the electrical installation as are necessary to remedy the condition.

(3) Upon receipt of the notice referred to in Subrule (2) hereof, the owner or occupant of the lands, buildings or premises shall cause the installation to be changed in the manner and to the extent prescribed by the notice within the time limited therein.

(4) Where a contractor refuses or neglects to comply with a notice given under Subrule (1) hereof, or the owner or occupant of lands, buildings or premises refuses or neglects to comply with a notice given under Subrule (2) hereof, the inspection department, may disconnect the supply, or require the supply authority to disconnect the supply of electrical power or energy to the lands, buildings or premises in which is contained the electrical installation that was the subject of the notice.

(5) If the supply has been disconnected pursuant to Subrule (4) hereof, it shall not be reconnected until full compliance with the notice has been made.

2-020 Approval of Electrical Wiring in Mobile Homes, Mobile Industrial or Commercial

Structures, Recreational Vehicles or any manufactured or prefabricated dwelling unit.

(1) No person shall advertise, display or offer for sale or other disposal, or sell or otherwise dispose of a Mobile Home, Mobile Industrial or Commercial Structure, Recreational Vehicle or any manufactured or prefabricated dwelling unit unless the system of electrical wiring installed therein or thereon has been approved.

(2) The system of electrical wiring referred to in Subrule (1) shall be deemed to be approved when:

- (a) A certification report has been issued by Canadian Standards Association in respect thereof;
- (b) The certification report has been adopted by the inspection department;
- (c) The manufacturer of the unit in which the system of electrical wiring is installed or his agent has entered into a service agreement with Canadian Standards Association;
- (d) The system of electrical wiring and installation thereof meet all standards of design and construction prescribed by the certification report and complies with all terms and conditions therein; and
- (e) The Canadian Standards Association certification mark has been affixed to the unit.

(3) As an alternative to the requirements of Subrule (2) hereof the system of electrical wiring installed in a recreational vehicle equipped with permanently installed appliances within the meaning of the *Energy Act*, R.S.O. 1980, Chapter 139, shall be deemed to be approved when:

- (a) A certification report has been issued by the Canadian Gas Association in respect thereof;
- (b) The certification report has been adopted by the inspection department;
- (c) The system of electrical wiring meets all the applicable standards prescribed by the certification report and Canadian Standards Association specifications relating thereto and complies with all terms and conditions in the report and the specifications;
- (d) The certification mark of the Canadian Gas Association has been affixed permanently to the system of electrical wiring verifying com-

pliance with Canadian Standards Association standards; and

- (e) The manufacturer of the recreational vehicle or his agent has entered into a service agreement with the Canadian Gas Association.

(4) If the system of electrical wiring referred to in Subrule (1) hereof cannot be approved pursuant to Subrules (2) or (3) hereof, such system of electrical wiring shall be deemed to be approved when:

- (a) The system of electrical wiring has been inspected by the inspection department and found to conform to this Code and to present no undue hazard to persons or property;
- (b) A certificate or other writing evidencing the conformity has been issued by the inspection department;
- (c) All fees payable to the inspection department in respect of the inspection and certification have been paid; and
- (d) The panelboard bears an approval label supplied by the inspection department.

2-022 Sale or Other Disposal and Use

(1) No person shall advertise, display or offer for sale or other disposal, or sell or otherwise dispose of any electrical equipment unless it has been approved in accordance with Rule 2-024.

(2) No person shall use any electrical equipment unless it has been approved in accordance with Rule 2-024.

(3) Where a certification report in respect of any approved electrical equipment requires that a notice indicating the proper and safe manner of use of the equipment be affixed thereto or furnished therewith, no person shall sell or otherwise dispose of the equipment without affixing or furnishing the notice in the manner required by the certification report.

2-024 Approval of Electrical Equipment

(1) Electrical equipment of a regular line of manufacture for which approval is sought shall be submitted to the Canadian Standards Association for examination and testing.

(2) The electrical equipment referred to in Subrule (1) hereof shall be deemed to be approved when:

- (a) a certification report has been issued by the Canadian Standards Association in respect of the equipment;
- (b) the certification report has been adopted by the inspection department;
- (c) the equipment bears the Canadian Standards Association certification mark;

- (d) the manufacturer of the equipment or his agent has entered into a service agreement with the Canadian Standards Association; and

- (e) the equipment meets all standards of design and construction prescribed by the certification report and complies with all terms and conditions contained therein.

(3) As an alternative to the requirements of Subrules (1) and (2) hereof, electrical equipment consisting of an assembly or combination of component parts intended for use solely in conjunction with or as an integral part of any appliance within the meaning of the *Energy Act* shall be deemed to be approved when:

- (a) the appliance bears a label in accordance with the Regulations made under the *Energy Act*; and
- (b) the manufacturer of the equipment or his agent has entered into a service agreement with the organization whose label is placed on the equipment.

(4) As an alternative to the requirements of Subrules (1) and (2) hereof, all electrical equipment consisting of an assembly or combination of component parts intended for use in conjunction with or as an integral part of general fire protection equipment and burglar and fire alarm systems shall be deemed to be approved when:

- (a) a certification report has been issued by either the Canadian Standards Association or the Underwriters' Laboratories of Canada that the equipment meets the applicable standards relating to the equipment;
- (b) the certification mark of the organization certifying the equipment has been affixed permanently to the equipment;
- (c) the certification report has been adopted by the inspection department;
- (d) the manufacturer of the equipment or his agent has entered into a service agreement with the Canadian Standards Association or Underwriters' Laboratories of Canada or both; and
- (e) the equipment meets all standards of design and construction prescribed by the certification report and complies with all terms and conditions contained therein.

(5) As an alternative to the requirements of Subrules (1) and (2) hereof, all electrical equipment consisting of an assembly or combination of component parts used as an integral part of a solid fuel-fired appliance shall be deemed to be approved when:

- (a) a certification report is issued by Warnock Hersey Professional Services Limited, the Underwriters' Laboratories of Canada or the Canadian

Gas Association that the equipment meets the applicable standards relating to the equipment;

- (b) the certification report has been adopted by the inspection department;
- (c) the certification mark of the organization certifying the equipment has been affixed permanently to the appliance;
- (d) the manufacturer of the equipment or his agent has entered into a service agreement with Warnock Hersey Professional Services Limited, Underwriters' Laboratories of Canada or the Canadian Gas Association as applicable; and
- (e) the equipment meets all standards of design and construction prescribed by the certification report and complies with all terms and conditions contained therein.

(6) Electrical equipment of other than a regular line of manufacture, electrical equipment built to customer's order, electrical equipment manufactured or produced singly or in small quantities and electrical equipment, that in the opinion of the inspection department cannot be conveniently examined and tested by submission of samples, shall be submitted to the inspection department for examination and testing in conformance with the procedure from time to time prescribed by the inspection department.

(7) The prescribed equipment referred to in Subrule (6) hereof shall be deemed to be approved when:

- (a) The electrical equipment or a sample thereof has been examined and tested by the inspection department and found to conform to this Code and to present no undue hazard to persons or property;
- (b) A certificate or other writing evidencing the conformity has been issued by the inspection department;
- (c) All fees payable to the inspection department in respect of the examination and testing have been paid;
- (d) The equipment bears an approval label supplied by the inspection department; and
- (e) The equipment, in the case of examination and test by sample, is of the same standard of design and construction as the standard of the sample tested.

(8) Where any electrical equipment is used in, or connected to, an electrical installation or is about to be so used or connected, and it appears to the inspection department that, having regard to public safety and protection of property, it would be sufficient to have the equipment inspected under Rule 2-004 instead of being approved under the foregoing provisions of this Rule, the inspection department may direct accord-

ingly and thereupon the equipment shall be deemed to form a part of the electrical installation.

(9) No person shall affix to any electrical equipment other than the electrical equipment approved under Subrules (3), (4) or (5) hereof any label indicating or intended to indicate that the electrical equipment is approved other than an approval label that has been supplied by the inspection department or under a service agreement.

(10) No person shall affix any approval label to any electrical equipment other than the approved electrical equipment for which the label was issued.

(11) No person to whom approval labels have been supplied, either by the inspection department or under a service agreement, shall sell, give, transfer or permit any other person to have possession of the labels without first obtaining the consent in writing of the inspection department.

2-026 Cancellation of Approval

(1) The inspection department may cancel the approval of any electrical equipment where:

- (a) The equipment is not being manufactured or produced in conformance with the approvals obtained under Rule 2-024;
- (b) In the opinion of the inspection department field experience has shown the equipment to be unduly hazardous to life or property; or
- (c) The manufacturer of the equipment makes default in observing or performing any of the terms of the service agreement to which he is a party.

(2) When an approval has been cancelled, the equipment shall be deemed to be not approved.

2-028 Miscellaneous

(1) The testing and inspection by the inspection department of any electrical equipment under Subrules (6) and (7) of Rule 2-024 may be carried out by such inspectors at such times and places and in such manner as the inspection department from time to time determines.

(2) Subject to Subrule (8) of Rule 2-024, any electrical equipment used or capable of being used or adapted to serve or perform any particular purpose or function when connected to an electrical installation shall be approved before being so connected unless the connection is made for the purpose of inspection or testing of the equipment under this Code.

(3) Any electrical equipment that consists of an assembly or combination of other electrical equipment is subject to this Code respecting approval, and is not approved by reason only that any or all of the component parts thereof have been individually approved.

2-030 Deviation or Postponement

(1) A deviation from or postponement of the requirements of this Code may be allowed by special

permission, provided that any such special permission shall be limited to the specific purpose for which it was granted.

(2) By special permission, the requirements of this Code may be varied for installations associated with fire-pumps.

2-032 Damage and Interference

(1) No person shall damage or cause any damage to any electrical installation or electrical equipment.

(2) No person shall interfere with any electrical installation or electrical equipment in the course of alterations or repairs to non-electrical equipment or structures except where it is necessary to disconnect or move components of an electrical installation, in which event it shall be the responsibility of the person carrying out the alterations or repairs to ensure that the electrical installation is restored to a safe operating condition as soon as the progress of the alterations or repairs permit.

2-034 Use of Approved Equipment. No one shall use any electrical equipment other than approved electrical equipment of a kind or type and rating approved for the specific purpose for which it is to be employed.

2-036 General. No contractor shall perform any work on an electrical installation in any manner contrary to the requirements of this Code.

Technical

General Rules

2-100 Marking of Equipment

(1) Each piece of electrical equipment shall bear such of the following marking as may be necessary to identify the equipment and ensure that it is suitable for the particular installation:

- (a) The maker's name, trademark, or other recognized symbol of identification;
- (b) Catalogue number or type;
- (c) Voltage;
- (d) Rated load amperes;
- (e) Watts, volt-amperes, or horsepower;
- (f) Whether for ac, dc, or both;
- (g) Number of phases;
- (h) Frequency in hertz;
- (i) Rated load speed in revolutions per minute;
- (j) Designation of terminals;
- (k) Whether for continuous or intermittent duty;
- (l) Evidence of approval;

(m) Such other marking as may be necessary to ensure safe and proper operation.

(2) Each service box, at the time of installation, shall be marked in a conspicuous, legible, and permanent manner, to indicate clearly the maximum rating of the overcurrent device which may be used for this installation.

(3) At each distribution point, circuit breakers, fuses, and switches shall be marked, adjacent thereto, in a conspicuous and legible manner to indicate clearly:

- (a) Which installation or portion of installation they protect or control; and
- (b) The maximum rating of overcurrent device that is permitted.

(4) The marking on electrical equipment shall not be added to or changed to indicate a use under this Code for which the equipment has not been approved.

2-102 Rebuilt Equipment

(1) Where any electrical machine or apparatus is rebuilt or rewound with any change in its rating or characteristics, it shall be provided with a nameplate giving the name of the person or firm by whom such change was made together with the new marking.

(2) Where the original nameplate is removed, the original manufacturer's name and any original identifying data, such as serial numbers, shall be added to the new nameplate.

(3) The appropriate requirements of the particular Canadian Electrical Code Part II Standard, applying to new equipment, shall apply as well to rebuilt and rewound equipment, unless it is impracticable to comply with the requirements.

2-104 Substitution. Where electrical equipment of the exact size or rating is not procurable for a given purpose, equipment of such larger size or rating as may be consistent shall be used unless special permission to use a smaller size or rating is obtained.

2-106 Circuit Voltage-To-Ground—Dwelling Units. Branch circuits in dwelling units shall not have a voltage exceeding 150 volts-to-ground except that where the calculated load on the service conductors of an apartment or similar multi-family building exceeds 250 kva and where trained and qualified electrical maintenance personnel are available, higher voltages not exceeding the voltage-to-ground of a nominal system voltage of 347/600Y may be used in the dwelling unit to supply the following fixed (not portable) equipment:

- (a) Space heating, providing wall mounted thermostats operate at a voltage not exceeding 300 volts-to-ground;
- (b) Water heating;
- (c) Air conditioning.

2-108 If in the opinion of an inspector an electrical installation has been badly arranged or poorly executed, either generally or in any particular way, the inspector may reject the electrical installation.

2-110 Material for Anchoring to Masonry and Concrete. Wood or other similar material shall not be used as an anchor into masonry or concrete for the support of any electrical equipment.

2-112 Corrosion Protection for Materials Used in Wiring

(1) Metallic materials used in wiring, such as raceways, cable sheaths and armour, boxes and fittings shall be suitably protected against corrosion for the environment in which they are to be used or shall be made of suitable corrosion-resistant material.

(2) Where practicable, dissimilar metals shall not be used where there is a possibility of galvanic action.

2-114 Soldering Fluxes. Fluxes used for soldering copper and its alloys shall be of types that are non-corrosive to copper.

2-116 AWG Sizes of Conductors. Where reference is made in this Code to AWG size, this shall mean the copper AWG size, unless otherwise specified.

2-118 Installation of Electrical Equipment. Electrical equipment shall be so installed as to ensure that after installation there is ready access to nameplates and access to parts requiring maintenance.

2-120 Installation of Other Than Electrical Equipment. Equipment or material of other than an electrical nature shall not be installed or placed so close to electrical equipment as to create a condition which an inspector deems dangerous.

2-122 Space for Service and Distribution Equipment. The space provided for electrical service and distribution equipment shall be satisfactory to the inspection department.

2-124 Use of Thermal Insulation

(1) Where the hollow spaces between studding, joists, or rafters of buildings are to be filled with thermal insulation, the following restrictions, as applicable, shall apply to the installation of electric wiring in such spaces:

- (a) Special care shall be taken to ensure that conductor insulation temperatures are not exceeded due either to mutual heating of adjacent conductors or cables, or to reduced heat dissipation through the thermal insulation;
- (b) If the space is to be filled with an approved loose or free flowing material which is non-corrosive, fire-resisting, and non-conducting, any type of wiring system recognized by this Code may be used, but special care shall be taken to ensure that there will be no strain on the con-

ductors due to weight or pressure of the insulating material;

- (c) If the thermal insulation material, in the form of batts or rigid sheets, is installed prior to the installation of the wiring and secured in place so that there will be no undue pressure on the conductors, no special precaution need be observed;
- (d) If thermal insulation made of or faced with metal is installed, the wiring shall conform to the following:
 - (i) a 25 millimetre separation shall be provided between the thermal insulation and the knob-and-tube wiring;
 - (ii) non-metallic sheathed cable may be in contact with the insulation;
- (e) Mineral-insulated cable or aluminum-sheathed cable shall not be used with types of thermal insulation which are liable to have a corrosive action on the sheath.

(2) Thermal insulation material shall not be sprayed or otherwise introduced into the interior of outlet boxes, junction boxes and enclosures for other electrical equipment.

2-126 Fire Spread

(1) Electrical installations shall be so made that the probability of spread of fire through fire-stopped partitions, floors, hollow spaces, fire walls or fire partitions, vertical shafts, ventilating or air-conditioning ducts, is reduced to a minimum.

(2) Where a fire separation is pierced by a raceway or cable, any openings around the raceway or cable shall be properly closed or sealed to the satisfaction of the inspection department.

2-128 Insulation Integrity. All wiring shall be so installed that when completed the system will be free from short circuits and from grounds except as permitted in Section 10.

2-130 Use of Ground Fault Circuit Interrupters. Ground fault circuit interrupters may be used as supplementary protection from shock hazard but shall not be used as a substitute for insulation or grounding except as permitted by Rule 10-408(4).

Protection of Persons and Property

2-200 General. Electrical equipment shall be installed and guarded so that adequate provision is made for the safety of persons and property and for the protection of the electrical equipment from mechanical or other injury to which it is liable to be exposed.

2-202 Guarding of Bare Live Parts

(1) Bare live parts shall be guarded against accidental contact by means of approved cabinets

or other forms of approved enclosures except where the bare live parts are:

- (a) Located in a suitable room, vault, or similar enclosed area which is accessible only to qualified persons; or
- (b) As elsewhere permitted by this Code.

(2) Where electrical equipment has mounted on it, within 900 millimetres of bare live parts, non-electrical components that require servicing by unqualified persons, suitable barriers or covers shall be provided for the bare live parts.

(3) Entrances to rooms and other guarded locations containing exposed bare live parts shall be marked with conspicuous warning signs forbidding entry to unqualified persons.

Maintenance and Operation

2-300 General Requirements for Maintenance and Operation

(1) All operating electrical equipment shall be kept in safe and proper working condition.

(2) Electrical equipment maintained for emergency service shall be periodically inspected and tested as is necessary to ensure its fitness for service.

(3) Infrequently used electrical equipment maintained for future service shall be thoroughly inspected before use in order to determine its fitness for service.

(4) Defective equipment shall either be put in good order or permanently disconnected.

2-302 Maintenance in Hazardous Locations. In locations where explosive or highly flammable materials or gases are present, special precautions shall be observed as follows:

- (a) Repairs or alterations shall not be made on any live equipment; and
- (b) Fits or seals in enclosures shall be maintained in their original safe condition.

2-304 Disconnection

(1) No repairs or alterations shall be carried out on any live equipment except where complete disconnection of the equipment is not practicable.

(2) Three-way or four-way switches are not to be considered as disconnecting means.

(3) Adequate precautions, such as locks on circuit breakers or switches, warning notices, sentries, or other equally effective means, shall be taken to prevent electrical equipment from being electrically charged when work is being done thereon.

2-306 Maintenance of Live Equipment. No one shall work on any live equipment unless protected by approved insulated or insulating devices such as tongs, rubber gloves, boots, mats, etc., which shall always be maintained in proper condition for use.

2-308 Working Space About Electrical Equipment

(1) A minimum working space of 1 metre with secure footing shall be provided and maintained about electrical equipment such as switchboards, panelboards, control panels and motor control centres which are enclosed in metal, except that working space is not required behind such equipment where there are no renewable parts such as fuses or switches on the back and where all connections are accessible from locations other than the back.

(2) The space referred to in Subrule (1) shall be in addition to the space required for the operation of draw-out type equipment and shall be sufficient for the opening of enclosure doors and hinged panels to at least 90°.

(3) Working space with secure footing not less than that specified in Table 56, shall be provided and maintained about electrical equipment such as switchboards, control panels and motor control centres having exposed live parts.

(4) The minimum headroom of working spaces about switchboards or motor control centres where bare live parts are exposed at any time shall be 2.2 metres.

2-310 Entrance To, and Exit From, Working Space

(1) Each room containing electrical equipment and each working space about equipment shall have suitable means of exit and entrance, which shall be kept clear of all obstructions.

(2) An exit may also be used as an entrance.

(3) If the plan of the room or space and the characteristics and arrangement of equipment are such that an accident would be liable to close or make inaccessible a single exit, a second exit shall be provided.

(4) Doors or gates of suitable material may be provided but they shall be capable of being readily opened from the equipment side without the use of a key or tool.

2-312 Accessibility for Maintenance. Passage-ways and working space around electrical equipment shall not be used for storage and shall be kept clear of obstruction and so arranged as to give authorized persons ready access to all parts requiring attention.

2-314 Illumination of Equipment. Adequate illumination shall be provided to allow for proper operation and maintenance of electrical equipment.

2-316 Flammable Material Near Electrical Equipment. Flammable material shall not be stored or placed in dangerous proximity to electrical equipment.

2-318 Ventilation. Adequate ventilation shall be provided so as to prevent the development about electrical equipment of ambient air temperatures in

excess of those normally permissible for such equipment.

2-320 Drainage. Electrical equipment having provision for draining moisture shall be installed so that the drainage path is not impeded.

2-322 Electrical Equipment Near Gas Meters. Arc producing electrical equipment shall not be installed within a 1 metre distance of a meter used to measure natural gas, manufactured gas, or liquefied petroleum gases which are distributed in a gaseous state.

Enclosures

2-400 Enclosures, Designations and Use

(1) The following designations of enclosures for electrical equipment other than motors and generators shall be recognized for the purposes of this Code for the intended use as specified:

(a) CSA Enclosure 1:

- (i) A general purpose enclosure of metal or other suitable material which protects live parts from accidental contact;
- (ii) For use indoors in ordinary locations;

(b) CSA Enclosure 2:

- (i) A dripproof enclosure constructed or protected so that exposure to falling moisture will not impair the effectiveness of the enclosed equipment;
- (ii) For use indoors where the enclosure may be subject to drops of falling liquid due to severe condensation or other causes;

(c) CSA Enclosure 3:

- (i) A weatherproof enclosure constructed or protected so that exposure to the weather, to falling moisture, or to external splashing, will not impair the effectiveness of the enclosed equipment;
- (ii) For use outdoors;

(d) CSA Enclosure 4:

- (i) A water-tight enclosure constructed so that a stream of water from a hose will not enter the enclosure;
- (ii) For use where the enclosure may be subject to direct streams of water;

(e) CSA Enclosure 5:

- (i) A dust-tight enclosure constructed so that dust, readily ignitable fibres, or combustible flyings cannot enter the enclosure;
- (ii) For use indoors where the atmosphere may carry considerable non-hazardous dust or in Class III hazardous locations, but not in Class II hazardous locations.

(2) An enclosure may be constructed so as to comply with two or more of these designations, as for example, a water- and dust-tight enclosure which meets the requirements for both designations.

(3) CSA Enclosure 3 may be used where CSA Enclosure 2 is required, and CSA Enclosure 4 may be used where CSA Enclosure 2 or CSA Enclosure 3 is required.

(4) Enclosures of equipment for use in a hazardous location shall be designated in accordance with Rule 18-052.

2-402 Marking of Enclosures. General purpose enclosures need not be marked to indicate the enclosure designation, but all others defined in Rule 2-400 shall be marked to indicate the enclosure designation.

2-404 Marking of Motors

(1) Dripproof, weatherproof and totally enclosed motors for use in non-hazardous locations shall be marked as follows:

- (a) If a dripproof motor, with the word “Drip-proof” or the code letters “DP”;
- (b) If a weatherproof motor, with the word “Weatherproof” or the code letters “WP”;
- (c) If a totally enclosed motor, with the words “Totally Enclosed” or the code letters “TE”.

(2) Notwithstanding Subrule (1), special purpose motors that are intended to be used only as components of specific equipment need not be so marked.

SECTION 4—CONDUCTORS

4-000 Scope. This Section applies to conductors for lighting, appliance and power supply circuits and does not apply to other conductors except where specifically referenced in other Sections of this Code.

4-002 Size of Conductors. Except for flexible cord, equipment wire, control circuit wire and cable, conductors shall be not smaller than No. 14 AWG when of copper and not smaller than No. 12 AWG when of aluminum.

4-004 Ampacity of Wires and Cables

(1) The maximum current which a copper conductor of a given size and insulation may carry shall be as follows:

- (a) Single conductor, and single-conductor metal-sheathed or armoured cable, in a free air run, as specified in Table 1;
- (b) 1, 2, or 3 conductors in a run of raceway, or 2- or 3-conductor cable, as specified in Table 2;
- (c) 4, 5, or 6 conductors in a run of raceway or cable, 80 per cent of that specified in Table 2;
- (d) 7 to 24 conductors, inclusive, in a run of raceway or cable, 70 per cent of that specified in Table 2;

- (e) 25 to 42 conductors, inclusive, in a run of raceway or cable, 60 per cent of that specified in Table 2;
- (f) 43 or more conductors, in a run of raceway or cable, 50 per cent of that specified in Table 2.

(2) The maximum current which an aluminum conductor of a given size and insulation may carry shall be as follows:

- (a) Single conductor, and single-conductor metal-sheathed or armoured cable, in a free air run, as specified in Table 3;
- (b) 1, 2, or 3 conductors in a run of raceway, or 2- or 3-conductor cable, as specified in Table 4;
- (c) 4, 5, or 6 conductors in a run of raceway or cable, 80 per cent of that specified in Table 4;
- (d) 7 to 24 conductors, inclusive, in a run of raceway or cable, 70 per cent of that specified in Table 4;
- (e) 25 to 42 conductors, inclusive, in a run of raceway or cable, 60 per cent of that specified in Table 4;
- (f) 43 or more conductors, in a run of raceway or cable, 50 per cent of that specified in Table 4.

(3) A neutral conductor which carries only the unbalanced current from other conductors, as in the case of normally balanced circuits of three or more conductors, shall not be counted in determining ampacities as provided for in Subrules (1) and (2).

(4) A common conductor of a three-wire circuit, consisting of conductors connected to two phase wires and the neutral of a four-wire, three-phase system, carries approximately the same current as the other conductors, and shall not be considered as a neutral conductor.

(5) The maximum allowable ampacity of neutral supported cable shall be as specified in Table 36.

(6) A grounding conductor shall not be counted in determining the ampacities as provided for in Subrules (1) and (2).

(7) The derating factors specified in this Rule apply only to, and shall be determined from, the number of power and lighting conductors in a cable or raceway.

(8) The ambient correction factors of Table 5A shall apply where conductors are installed in an ambient exceeding or anticipated to exceed 30°C.

(9) Where single conductors having a free air rating are run in contact with each other, the ampacity shall be corrected by applying the factors in Table 5B for up to four conductors in contact, and by utilizing the ampacity of Table 2 or 4 where there are more than four in contact.

(10) The ampacity of conductors of different temperature ratings installed in the same raceway shall be

determined on the basis of the conductor having the lowest temperature rating.

(11) The ampacity of conductors added to a raceway and the ampacity of the conductors already in the raceway shall be determined in accordance with the applicable Subrules.

(12) The ampacity of service conductors supplying enclosed fusible switches not exceeding 600 amperes shall not be less than the switch rating.

(13) Notwithstanding Subrule (12), where the load can be determined under Section 8, the ampacity of service conductors supplying enclosed fusible switches rated over 100 amperes but not exceeding 600 amperes shall not be less than the load or 80 per cent of the switch rating, whichever is the greater.

(14) Where the main service switch is omitted in accordance with Rule 6-200, the ampacity of the service conductors shall be not less than the rating of the splitter, except by special permission.

(15) The requirements of Subrules (12) and (13) shall also apply to the conductors on the load side of the main service switch or equivalent up to the first point of distribution or equivalent;

(16) Subrules (12), (13), (14) and (15) shall not apply to conductors supplying:

- (i) A single fixed load where the load is unlikely to be increased; nor,
- (ii) A motor load where the conductors are sized in accordance with Section 28.

4-006 Insulated Conductors

(1) Insulated conductors shall be of types specified in Table 19 for each specific condition of use, except as may be otherwise required by other Sections of this Code.

(2) Where harmful condensed vapours or liquids of either an acid or alkaline nature or organic solvents such as hydrocarbons, ketones, esters, alcohols, or liquid derivatives thereof, may collect on or come in contact with insulation on conductors, the insulation shall be of a type resistant to these materials or the insulation shall be protected by a sheath of lead or by other approved means.

4-008 Sheath Currents in Single-Conductor Metallic-Sheathed Cables

(1) Where sheath currents in single-conductor cables having continuous sheaths of lead, aluminum, or copper are likely to cause the insulation of the conductors to be subjected to temperatures in excess of the insulation ratings, the cables shall be:

- (a) Derated to 70 per cent of current-carrying rating which would otherwise apply;

(b) Derated in accordance with the manufacturer's recommendations by special permission; or

(c) Installed in such a manner as to prevent the flow of sheath currents.

(2) Circulating currents in single-conductor armoured cable shall be treated in the same manner as sheath currents in Subrule (1).

4-010 Uses of Flexible Cord

(1) Flexible cord shall be of the types specified in Table 11 for each specific condition of use.

(2) Flexible cord may be used for:

(a) Electrical equipment for household or similar use having a rating of 15 amperes or less at voltages not exceeding 250 volts and which is intended to be:

(i) Moved from place to place; or

(ii) Detachably connected according to a Part II Standard;

(b) Electrical equipment for industrial use which must be capable of being moved from place to place for operation;

(c) Pendants;

(d) Elevator cables;

(e) Wiring of cranes and hoists;

(f) The connection of stationary equipment to facilitate its interchange, by special permission;

(g) The prevention of transmission of noise and vibration;

(h) The connection of electrical components between which relative motion is necessary; and

(i) The connection of appliances such as ranges and clothes dryers.

(3) Flexible cord shall not be used:

(a) As a substitute for the fixed wiring of structures and shall not be:

(i) Permanently secured to any structural member;

(ii) Run through holes in walls, ceilings, or floors; or

(iii) Run through doorways, windows, or similar openings;

(b) At temperatures above the temperature rating of the cord or at temperatures sufficiently low as to be liable to result in damage to the insulation or overall covering;

(c) For the suspension of any device weighing more than 2.3 kilograms, unless the cord and device assembly are marked as capable of supporting a weight up to 11 kilograms.

(4) Flexible cord shall be protected by an insulating bushing or in some other acceptable manner where it enters or passes through a wall or partition of a device or enters a lampholder.

(5) Where a flexible cord is used as an extension cord or to plug into an appliance or other device, no live parts shall be exposed when one end is connected to a source of supply and the other end is free.

4-012 Sizes of Flexible Cord. Flexible cord shall not be smaller than a No. 18 AWG copper conductor except for:

(a) Tinsel cord, which may be No. 27 AWG copper; and

(b) Cords for use with specific devices which may be No. 20 AWG copper.

4-014 Ampacity of Flexible Cords

(1) The maximum current which 2 or more copper conductors of given size contained in a flexible cord may carry, shall be as follows:

(a) 2 or 3 conductors—as specified in Table 12;

(b) 4, 5, or 6 conductors—80 per cent of that specified in Table 12;

(c) 7 to 24 conductors inclusive—70 per cent of that specified in Table 12;

(d) 25 to 42 conductors inclusive—60 per cent of that specified in Table 12;

(e) 43 or more conductors—50 per cent of that specified in Table 12.

(2) A conductor used for equipment grounding and a neutral conductor which carries only the unbalanced current from other conductors, as in the case of normally balanced circuits of three or more conductors, are not considered to be current-carrying conductors.

4-016 Flexible Cord Used in Show Windows or Show Cases

(1) Flexible cord used in show windows or show cases shall, except for chain fixtures, be at least of hard usage types.

(2) The use of flexible cord to supply current to portable lamps and other devices for exhibition purposes shall be permitted.

4-018 Equipment Wire

(1) Equipment wire shall be of a type specified in Table 11 for each specified condition of use.

(2) Equipment wire used as fixture wiring shall be not smaller than a No. 18 AWG copper conductor.

(3) Christmas-tree wire shall not be smaller than a No. 20 AWG copper conductor.

(4) The maximum current which a fixture wire or a Christmas-tree wire of a given size may carry shall be that specified in Table 12.

4-020 Insulation of Neutral Conductors

(1) Except as permitted by Rules 6-302, 6-308, 12-302, and 12-318 neutral conductors shall be insulated.

(2) Where insulated neutrals are used, the insulation on the neutral conductors shall have a temperature rating not less than the temperature rating of the insulation on the ungrounded conductors.

4-022 Size of Neutral Conductor

(1) The neutral conductor shall have sufficient ampacity to carry the unbalanced load.

(2) The maximum unbalanced load shall be the maximum connected load between the neutral and any one ungrounded conductor as determined by Section 8 but subject to the following:

- (a) There shall be no reduction of the neutral capacity for that portion of the load which consists of electric discharge lighting; and
- (b) Except as required otherwise by paragraph (a), a demand factor of 70 per cent may be applied to that portion of the unbalanced load in excess of 200 amperes.

(3) The size of an insulated or uninsulated neutral used in services shall be not smaller than the size of a neutral selected in accordance with Subrule (1) and shall be not smaller than:

- (a) No. 10 AWG copper or No. 8 AWG aluminum; and
- (b) The size of a grounding conductor required by Rule 10-812 except in approved service entrance cable, or where the circuit conductors are No. 10 AWG copper or No. 8 AWG aluminum.

(4) In determining the ampacity of an uninsulated neutral conductor run in a raceway, it shall be considered to be insulated with insulation having a temperature rating not higher than that of the adjacent circuit conductors.

4-024 Common Neutral Conductor. Providing that when in metal enclosures all conductors of feeder circuits employing a common neutral are contained within the same enclosure, a common neutral may be employed for:

- (a) Two or three sets of three-wire, single-phase feeders; or
- (b) Two sets of four-wire, three-phase feeders.

4-026 Installation of Neutral Conductor and Branch Connections. Neutral conductors of services and feeders shall be installed:

- (a) In all separately enclosed switches and circuit breakers; and

(b) At all centres of distribution with all branch connections to the neutral being made at such centres; and

(c) In such a manner that the individual conductors may be readily disconnected.

4-028 Identification of Insulated Neutral Conductors Up to and Including No. 2 AWG Copper or Aluminum

(1) Except as permitted in Subrule (2), all insulated neutral conductors up to and including No. 2 AWG copper or aluminum and the insulated conductors of all flexible cords permanently attached to such neutral conductors shall be identified by a white or natural grey covering.

(2) The covering of the other conductor or conductors shall show a continuous colouring contrasting with that of an identified conductor except that in the case of those flexible cords where the identified conductor is identified by a raised longitudinal ridge or ridges, the other conductors shall have no ridges.

4-030 Identification of Insulated Neutral Conductors Larger Than No. 2 AWG Copper or Aluminum. For insulated neutral conductors larger than No. 2 AWG copper or aluminum and for those having other than rubber or thermoplastic insulation, identification shall either be continuous, as for No. 2 AWG and smaller, or else each continuous length of conductor shall be suitably labelled or otherwise clearly marked at each end at the time of installation, so that it can be readily identified.

4-032 Identification of Type MI Neutral Conductors. Where mineral-insulated cable is used for neutral conductors, and where continuous identification of this type of conductor is, at present, technically impossible in manufacture, each continuous length of conductor shall be permanently and clearly marked at each end at the time of installation, so that it can be readily identified.

4-034 Use of Identified Conductors

(1) An identified conductor shall not be used as a conductor for which identification is not required by these rules except that in armoured cable, aluminum-sheathed cable, and non-metallic sheathed cable work, the identified conductor may be rendered permanently unidentifiable by painting or other suitable means at every point where the separate conductors have been rendered accessible and visible by removal of the outer covering of the cable.

(2) Where armoured cable, aluminum-sheathed cable, or non-metallic sheathed cable containing an identified conductor is used for single-pole, 3-way or 4-way switch loops, it shall not be necessary to render the identified conductor permanently unidentifiable at the switch if the connections are made so that an unidentified conductor is the return conductor from the switch to the outlet.

(3) Where armoured cable, aluminum-sheathed cable or non-metallic sheathed cable is used so that the identified conductor forms no part of the circuit,

the identified conductor shall be cut off short or other suitable means shall be employed to indicate clearly that the identified conductor does not form part of the circuit and this shall be done at every point where the separate conductors have been rendered accessible and visible by removal of the outer covering of the cable.

(4) Where conductors of a multi-wire branch circuit are installed, employing an identified conductor, the continuity of the identified conductor shall be independent of device connections, such as lampholders, receptacles, ballasts, etc., so that devices may be disconnected without interrupting the continuity of the identified conductor.

4-036 Colour of Conductors

(1) Insulated grounding conductors shall have a green finish and shall be used only as a grounding conductor, except that conductors larger than No. 2 AWG may be suitably labelled or clearly marked at the time of installation with a green colour at each end and at every point where the conductor is rendered accessible to indicate identification as a grounding conductor.

(2) Where colour coded circuits are required, the following colour coding shall be used, except in the case of service-entrance cable and insofar as Rules 4-030 and 6-308 may modify these requirements:

- 1 phase ac
or dc (2-wire)—1 black and 1 red
or
1 black and 1 white or natural
grey (where identified conductor
is required)
- 1 phase ac
or dc (3-wire)—1 black, 1 red, and 1 white or
natural grey
- 3 phase ac —1 red (phase A), 1 black (phase B),
1 blue (phase C), and 1 white or
natural grey (where neutral is
required).

(3) Where the mid-point of one phase of a 4-wire delta-connected secondary is grounded to supply lighting and similar loads, the conductors shall be colour coded in accordance with Subrule (2) and the phase A conductor shall be the conductor having the higher voltage-to-ground.

(4) Where a panelboard is supplied from a 4-wire delta-connected system the grounded conductor referred to in Subrule (3) shall be located in a compartment provided for single phase connections and the phase conductor having the higher voltage-to-ground shall be suitably barriered from that compartment.

SECTION 6—LOW-POTENTIAL SERVICES AND SERVICE EQUIPMENT

6-000 Scope. This Section applies to services, service equipment, and metering equipment for:

- (a) Installations operating at voltages of 750 volts or less; and

- (b) Installations operating at voltages in excess of 750 volts except as modified by the requirements of Section 36.

General

6-100 Number of Supply Services Permitted

(1) Two or more supply services of the same voltage and characteristics shall not be run to any building from the same system of any supply authority except for:

- (a) Fire pumps;
- (b) Emergency lighting;
- (c) Multi-occupancy buildings having readily definable areas separated by partitions having a 3-hour fire rating;
- (d) Buildings of a large area;
- (e) Where several buildings or sections of buildings may cover a common parking or service area located below the buildings.

(2) When two or more supply services of different voltages or classifications are installed in or to a building, all consumer services shall be grouped, where practicable.

6-102 Number of Consumer's Services Permitted In or On a Building. The number of consumer's services of the same voltage and characteristic, terminating at any one supply service, run to, on or in any building, shall not exceed four except by special permission.

6-104 Current Supply from More Than One System. Where an installation, or portion thereof, is to be supplied with current from two or more different systems, the switching equipment controlling the various supplies shall be constructed or arranged so that it will be impossible to accidentally switch on power from one source before that from another has been cut off.

6-106 Supply Service from an Electric Railway System. A supply service shall not be run to a building from an electric railway system using a ground return, unless the building is connected with the operation of an electric railway.

6-108 Three-Wire Consumer's Services. A three-wire consumer's service shall be provided in all cases where more than two 120 volts branch circuits are installed, unless such supply is not available from the supply authority.

6-110 Support for the Attachment of Overhead Supply Service Conductors

(1) Where the exterior wall of any building consists of metal sheathing, or of hollow tile or other form of hollow building block, an acceptable means for the

attachment of the supply service conductors shall be installed.

(2) The point of attachment of supply conductors shall be not less than 5 metres nor more than 9 metres above sidewalk or grade level and shall be so located and of such height as to afford at a temperature of 16°C a clearance measured vertically between the conductors and the ground of at least:

- (a) 4.5 metres on properties accessible to pedestrians and passenger vehicles only; or
- (b) 6 metres on properties accessible to commercial and farm vehicles.

(3) Exposed service conductors, which are not higher than windows, doors, and porches shall have a clearance of not less than 1 metre, therefrom.

(4) Where service masts are used they shall be of metal and assembled from components suitable for service mast use and shall be installed in an acceptable manner.

(5) Rigid steel conduit of a minimum nominal size of 2½ inches shall be permitted to be used for the purpose of Subrule (4) provided that all other requirements for a service mast are complied with.

(6) Bolts shall be used for securing the support at the point of attachment, and if attached to wooden structural members, the latter shall be not less than 38 millimetres in any dimension.

(7) The service supply conductor support shall not be attached to the roof of a structure, except as permitted in Subrule (8).

(8) Notwithstanding Subrule (7), it shall be permitted to fasten the upper service mast support and the eye bolt to which a guy wire is attached to a main structural member of the roof such as a roof rafter, a roof truss, or equivalent.

6-112 Methods of Terminating Conductors at Consumer's Service

(1) The supply end of a consumer's service shall be equipped with an approved rain-tight service-head except as provided for in Subrules (2) and (3).

(2) Where service cables are employed and are continuous from the supply service to the service equipment, the service head required by Subrule (1) may be omitted.

(3) Where single-conductor cables or multi-conductor cables are employed the service head required by Subrule (1) may be omitted provided:

- (a) The cable terminates in an approved cable termination suitable for exposure to the weather; or

(b) The cable ends are sealed with self-sealing weather resistant thermoplastic tape or heat shrinkable tubing; and

(c) Both single-conductor and multi-conductor cables are bent as may be necessary so the conductors emerging from the sealed point of the cable termination will point downwards; and

(d) The cables are held securely in place by a clamp, fitting, or cable termination approved for the purpose.

(4) Conductors of different polarity shall be brought out through separately bushed holes of the service head.

(5) Consumer's service conductors shall be installed as specified in Rule 6-302(3).

(6) The overhead supply service conductors and the consumer service conductors shall be arranged according to the requirements of Rule 6-114 so as to prevent moisture and water from entering service raceways, cables or equipment.

6-114 Consumer's Service Head Location. The consumer's service head or equivalent shall be installed:

- (a) In a location satisfactory both to the inspection department and to the supply authority;

Control and Protective Equipment

6-200 Service Equipment

(1) Every consumer's service shall be provided with a main service box except as provided in Subrule (2).

(2) Notwithstanding Subrule (1) where the supply is not more than 150 volts-to-ground:

(a) For services greater than 3,000 amperes, up to three separate switchgear all located in the same electrical room shall be permitted in lieu of a single service switch or circuit breaker and each service subdivision shall be provided with ground fault protection; or

(b) For residential occupancies only, the main service box is not required if:

(i) There are not more than six subdivisions of the main service;

(ii) No part of the service equipment exceeds 400 amperes; and

(iii) The subdivision services boxes are grouped, where practicable.

6-202 Subdivision of Main Consumer's Service. In multiple occupancy and in single occupancy multi-rate service, each subdivision of the main consumer's

service shall be provided with a separate service box, or equivalent multi-service equipment shall be used, except that by special permission for single occupancy multi-rate services only, where the main consumer's service overcurrent devices adequately protect any subdivision of the main consumer's service, the separate service box for the subdivision so protected may be omitted.

6-204 Fuse Enclosures on Service Boxes. If a service box embodies one or more fuse holders, access to which may be had without opening the door, such receptacles and their fuses shall be completely enclosed by a separate door, spring-closed, or having a substantial catch.

6-206 Service Boxes, Sealed or Locked. Where service boxes are sealed or locked by the supply authority they shall not be opened except by an electrical inspector or by an authorized agent of the supply authority.

6-208 Overcurrent Device Accessible to the Consumer. If a consumer's service supplies one branch circuit only and the service box containing the overcurrent device is to be locked or sealed, overcurrent devices accessible to the consumer shall be inserted in series with the consumer's service overcurrent device and on the load side of the meter, but they shall be of a smaller ampacity than the consumer's service overcurrent devices, unless the latter be not more than 15 amperes.

6-210 Consumer's Service Equipment Location. Service boxes or other consumer's service equipment shall be installed in a location satisfactory to both the inspection department and the supply authority and shall be:

- (a) Readily accessible or have the means of operation readily accessible;
- (b) Not located in coal bins, clothes closets, bathrooms, stairways, rooms in which the temperature normally exceeds 30°C, dangerous or hazardous locations, in locations where the headroom clearance is less than 2 metres, or in any similar undesirable locations;
- (c) Placed within the building being served, unless environmental conditions within the structure are unsuitable in which case, by special permission, the service box or other consumer's service equipment may be placed on the outside of a building or on a pole and shall be:
 - (i) Protected from the weather, or be weatherproof; and
 - (ii) Protected from mechanical injury if less than 2 metres above ground; and
- (d) As close as practicable to the point where the consumer's service conductors enter the building.

6-212 Consumer's Service Conductors Encased in Concrete or Masonry. Consumer's service and other conductors installed in conduit or in any type of wiring systems approved for such use, shall be considered as being outside the building where:

- (a) Embedded in and encircled by not less than 50 millimetres of concrete or masonry; or
- (b) Buried in the ground beneath a concrete floor slab of not less than 50 millimetres thick.

6-214 Consumer's Service Conductors in Crawl Spaces

(1) Raceways or cables run in crawl spaces underneath structures shall be considered to be outside the building, provided:

- (a) Such spaces have walls and ceilings of concrete, masonry, or other noncombustible material; and
- (b) Flammable materials are not to be stored therein.

(2) For the purpose of this Rule, "crawl space" means an accessible space or cavity not more than 1.5 metres high under a building.

6-216 Oil Switches and Oil Circuit Breakers Used as Service Switches

(1) Isolating switches shall be installed on the supply side and interlocked with oil switches and oil circuit breakers except in the case of metal clad equipment where the primary isolating device shall be considered to be the equivalent of an isolating switch or link.

(2) Where overcurrent trip coils are used for breakers, one shall be installed on each ungrounded conductor of the circuit except that if the capacity of the transformers and the extent of the network supplying the service is sufficiently small, by special permission two trip coils, one in each phase of a four-wire two-phase ungrounded service, may be used.

6-218 Wiring Space in Enclosures. Enclosures for circuit breakers and externally-operated switches shall not be used as junction boxes, troughs, or raceways for conductors feeding through or tapping off to other apparatus.

6-220 Marking of Service Boxes. If there be more service boxes than one, each such box shall be labelled in a conspicuous, legible and permanent manner to indicate clearly which installation or portion of an installation it controls.

Wiring Methods

6-300 Underground Consumer's Services

(1) Except by special permission, consumer's service conductors run underground to a building from an underground supply system or from a pole line shall be:

- (a) Installed in rigid conduit and be of a type acceptable for use in wet locations as indicated in Table 19; or
- (b) A single- or multiple-conductor cable for service entrance use below ground in accordance with Table 19 providing that:
 - (i) The installation is in accordance with Rule 12-012;
 - (ii) Rigid conduit is used for mechanical protection where portions are exposed to injury; and
 - (iii) The cable is without splice or joint from the point of connection at the supply service to the consumer's service equipment in the building; or
- (c) A single-conductor cable approved for direct burial in accordance with Table 19.

(2) Consumer's service conduit entering a building underground shall be suitably drained.

(3) Consumer's service conduit connected to an underground supply system shall be sealed with a suitable compound to prevent the entrance of moisture or gases.

6-302 Consumer's Service Conductors

(1) Conductors of a consumer's service which are connected to an overhead supply service at any point above ground on a building shall be installed in rigid metal conduit or in one of the following ways if acceptable:

- (a) Other types of rigid conduit;
- (b) Busway;
- (c) Flexible conduit, the conductors being lead-sheathed;
- (d) Armoured lead-sheathed cable;
- (e) Mineral-insulated cable other than the light-weight type;
- (f) Aluminum-sheathed cable;
- (g) Type ACWU cable;
- (h) Type TECK 90 cable;
- (i) Service entrance cable, Types SE and USE, provided that:
 - (i) It is protected by approved means if within 2 metres of the ground;
 - (ii) The voltage does not exceed 300 volts between conductors and 150 volts-to-ground;
 - (iii) It is supported at intervals not exceeding 1 metre; and

- (iv) Except for Style RA75, it is mounted on insulating supports which hold it not less than 50 millimetres from a conducting surface if adjacent to the surface.

(2) That portion of the consumer's service conductors on the supply side of the service head run on the outside walls of buildings may be run as exposed wiring using types of conductors suitable for exposure to the weather.

(3) The length of consumer's service conductors beyond the service head shall be adequate to enable connection to the supply service conductors or to the conductors referred to in Subrule (2) with a minimum length of 750 millimetres and the conductors shall be provided with drip loops.

(4) Consumer's service conductors shall be not less than No. 10 AWG copper wire, nor less than No. 8 AWG aluminum wire.

(5) The insulation on consumer's service conductors shall be suitable for the temperatures which can be experienced in the particular locality.

6-304 Use of Mineral-Insulated and Aluminum-Sheathed Cable

(1) Mineral-insulated cable and aluminum-sheathed cable may be used for services as specified in Rule 6-302:

- (a) In a multi-conductor construction; or
- (b) In single-conductor construction in sizes larger than No. 4 AWG copper or aluminum.

(2) Mineral-insulated cable and aluminum-sheathed cable may be exposed and secured directly to the surface over which it is run, but subject to protection as specified in Rule 6-306(c).

6-306 Consumer's Service Raceways. Consumer's service raceways shall:

- (a) Contain no other than consumer's service conductors, and except by special permission, only the conductors of one consumer's service;
- (b) Be protected against mechanical damage as required by Rule 12-1032; and
- (c) If of circular cross-section, have an internal diameter not less than $\frac{3}{4}$ inch.

6-308 Use of Bare Neutral in Consumer's Service. The neutral conductor of a consumer's service shall be permitted to be bare if this conductor is:

- (a) Made of copper and is run in a raceway;
- (b) Made of aluminum and is run above ground in a non-metallic or in an aluminum raceway;
- (c) Part of a busway or of a service entrance cable; or

- (d) Part of a neutral supported cable used in accordance with Rule 6-302(2).

6-310 Use of Splices in Consumer's Service Neutral Conductors. The neutral or identified conductor of a consumer's service shall be without splice between the point of connection and the service box or equivalent consumer's service equipment, except that a splice may be made by means of an approved clamp or bolted connection in a meter mounting device or at the service head if exposed wiring is used in accordance with Rule 6-302(2).

6-312 Condensation in Consumer's Service Raceway

(1) Where in the opinion of the inspection department, condensation is likely to occur due to changes in temperature, consumer's service raceway or the equivalent shall be either effectively drained or sealed.

(2) The consumer's service raceway shall not be terminated on top of the service box except where drained outdoors.

Metering Equipment

6-400 Metering Equipment. Metering equipment includes any current and potential transformers as well as the associated measuring instruments.

6-402 Method of Installing Meter Loops

(1) Meter loops shall be installed so that:

- (a) Conductors between the service box and the meter are inaccessible to unauthorized persons;
- (b) The wiring method is rigid conduit, flexible conduit, electrical metallic tubing, aluminum-sheathed cable, or armoured cable, except where equivalent protection is provided;
- (c) Spare conductors not less than 450 millimetres in length are provided at meter or current transformer connection points; and
- (d) A suitable fitting, or service box with meter backplate is provided.

(2) Metering equipment shall be connected on the load side of the service box except that it may be connected on the supply side where:

- (a) No live parts or wiring are exposed;
- (b) The supply is ac and the potential does not exceed 300 volts between conductors;
- (c) The rating of the service does not exceed 225 amperes;
- (d) The conductors to the line side of the meter and the conductors from the load side of the meter are in separate raceways; and
- (e) Notwithstanding Paragraph (d) where an existing 'TEE' service is replaced or upgraded, a 'TEE' service shall be permitted to be utilized.

6-404 Enclosures for Instrument Transformers

(1) Instrument transformers used in connection with meters shall be installed in metal enclosures except when mounted on switchboards or in electrical equipment vaults or otherwise rendered inaccessible to unauthorized persons.

(2) The size of enclosures for instrument transformers shall be acceptable to the supply authority.

(3) Enclosures for current transformers shall be installed on all services rated in excess of 200 amperes except where:

- (a) Current transformers are an integral part of service switchgear; or
- (b) The supply authority uses meters which do not require current transformers.

(4) Enclosures for instrument transformers shall have mounting plates or other acceptable provisions for securing of the transformers to the enclosures.

6-406 Disconnecting Provisions for Meters. In multiple occupancy and in single occupancy multi-rate service where individual metering is required the conductors to each meter shall be provided with one of the following:

- (a) A separate service box or service equipment; or
- (b) A sealable meter fitting.

6-408 Location of Meters

(1) Meters and metering equipment shall be installed in locations satisfactory to both the inspection department and the supply authority and shall be:

- (a) Located as near as practicable to the service box except as provided for in Subrule (2);
- (b) Grouped where practicable;
- (c) Readily accessible;
- (d) Not located in coal bins, clothes closets, bathrooms, stairways, high ambient rooms, dangerous or hazardous locations, nor in any similar undesirable places; and
- (e) If mounted outdoors, of weatherproof construction or in weatherproof enclosures.

(2) Instrument transformers may be outside the consumer's premises and the meter inside the premises, providing the secondary leads between the instrument transformers and the meter terminal box or test links are continuous and are installed in the same manner as consumer's service conductors, with the exception that a service box with disconnecting switch is not required.

6-410 Space Required for Meters. The space provided for meters shall be of such dimensions as to be acceptable to the supply authority and the inspection department.

SECTION 8—CIRCUIT LOADING AND DEMAND FACTORS

Scope

8-000 Scope. This Section covers:

- (a) Conductor ampacities required for services, feeders, and branch circuits; and
- (b) Branch circuit positions required for residential occupancies.

General

8-100 Current Calculations. When calculating currents which will result from loads, expressed in watts or volt-amperes, to be supplied by a low-voltage ac system, the voltage divisors to be used shall be 120, 208, 240, 277, 347, 416, 480, or 600 as applicable.

8-102 Voltage Drop

(1) Voltage drop in an installation shall:

- (a) Be based upon the calculated demand load of the feeder or branch circuit;
- (b) Not exceed 5 per cent from the supply side of the consumer's service (or equivalent) to the point of utilization; and
- (c) Not exceed 3 per cent in a feeder or branch circuit.

(2) For the purposes of Subrule (1) the demand load on a branch circuit shall be the connected load, if known, otherwise 80 per cent of the rating of the overload or overcurrent devices protecting the branch circuit, whichever is smaller.

8-104 Maximum Circuit Loading

(1) Unless a feeder or branch circuit is supplied by an assembly, together with its overcurrent devices, approved and marked for continuous operation at 100 per cent of its rating, or unless it can be shown that, in normal operation, the load is of an intermittent nature, the demand shall not exceed:

- (a) 80 per cent of the circuit capacity when the ampacity of the conductors is based on Tables 2 and 4; and
- (b) 70 per cent of the circuit capacity when the ampacity of the conductors is based on Tables 1 and 3.

(2) If other derating factors are applied to reduce the conductor ampacity, the lesser of this reduced ampacity or that determined by Subrule (1) shall be used.

8-106 Use of Demand Factors

(1) The size of conductors and switches computed in accordance with this Section shall be the minimum used except that, if the next smaller standard size in common use has an ampacity not more than 5 per

cent less than this minimum, the inspection department may, at its discretion, permit the use of the smaller size.

(2) In any case other than a service calculated in accordance with Rules 8-200 and 8-202, where the design of an installation is based on requirements in excess of those given in this Section, the service and feeder capacities shall be increased accordingly.

(3) Where two or more loads are so installed that only one can be used at any one time, the one providing the greatest demand shall be used in determining the calculated demand.

(4) Where it is known that electric space heating and air conditioning loads are installed and will not be used simultaneously, whichever is the greater load shall be used in calculating the demand.

(5) Where a feeder supplies loads of a cyclic or similar nature such that the maximum connected load will not be supplied at the same time, the ampacity of the feeder conductors may be based on the maximum load that may be connected at any one time.

(6) The ampacity of conductors of feeders or branch circuits shall be in accordance with the Section(s) dealing with the respective equipment being supplied.

(7) Notwithstanding the requirements of this Section, the ampacity of the conductors of a feeder, or of a branch circuit, need not exceed the ampacity of the conductors of the service, or of the feeder from which they are supplied.

(8) Where additional loads are to be added to an existing service or feeder, the augmented load may be calculated by adding the sum of the additional loads, with demand factors as permitted by this Code, to the maximum demand load of the existing installation as measured over the most recent 12 month period, but the new calculated load shall not exceed 80 per cent of the ampacity of the conductors.

8-108 Number of Branch Circuit Positions

(1) For a single-family dwelling the panelboard shall provide space for at least the equivalent of the following number of 120 volt branch circuit overcurrent devices, including space for two 35 ampere double-pole overcurrent devices:

- (a) Sixteen—of which at least half shall be double-pole, where the calculated ampacity of the service or feeder conductors does not exceed 60 amperes;
- (b) Twenty-four—of which at least half shall be double-pole;
 - (i) Where the calculated ampacity of the service or feeder conductors exceeds 60 amperes but does not exceed 100 amperes; or
 - (ii) Where the calculated ampacity of the service or feeder conductors exceeds 100 amperes but does not exceed 125 amperes and provision is made for a central electric furnace;

(c) Thirty—of which at least half shall be double-pole;

(i) Where the calculated ampacity of the service or feeder conductors exceeds 100 amperes but does not exceed 125 amperes; or

(ii) Where the calculated ampacity of the service or feeder conductors exceeds 125 amperes and provision is made for a central furnace;

(d) Forty—of which at least half shall be double-pole, where the required ampacity of the service or feeder conductors exceeds 125 amperes and the dwelling is not heated by a central furnace.

(2) Notwithstanding Subrule (1) sufficient spaces for overcurrent devices shall be provided in the panelboard for the two 35 amperes double-pole overcurrent devices and for all other overcurrent devices, and at least two additional spaces shall be left for future overcurrent devices.

(3) For a dwelling unit in an apartment or similar multi-family building, the panelboard shall provide space for at least the equivalent of the following number of 120 volts branch circuit overcurrent devices, including space for one 35 amperes double-pole overcurrent device:

(a) Eight—where the required ampacity of the feeder conductors supplying the dwelling unit does not exceed 60 amperes;

(b) Twelve—where the required ampacity of the feeder conductors supplying the dwelling unit exceeds 60 amperes.

(4) Where space is provided in the panelboard specified in Subrules (2) and (3) for 120/240 volt three-wire branch circuits for which overcurrent protection shall be a minimum of 35 amperes, the fuseholders shall be installed at the time of installation of the panelboard.

8-110 Determination of Areas

(1) The living area designated in Rule 8-200 (1) (a) (i), and (ii) shall be determined from the outside dimensions of the ground floor of the dwelling plus 75 per cent of the basement area based on the inside dimensions, plus any area which might normally be used for living purposes on the upper floors.

(2) Where necessary to obtain outside dimensions for dwelling units of row housing they shall be measured from the outside faces of walls where possible and from the inside faces where outside faces are not available.

(3) The living area designated in Rule 8-202 (1) (a), (i), (ii), and (iii) shall be based on the interior dimensions of each dwelling unit.

Services and Feeders

8-200 Single-Family Dwellings

(1) The minimum ampacity of service conductors or of feeder conductors supplying a single-family dwelling shall be based on the greater of Paragraph (a) or (b):

(a) (i) A basic load of 5,000 watts for the first 90 square metres of living area (see Rule 8-110); plus

(ii) An additional 1,000 watts for each 90 square metres or portion thereof in excess of 90 square metres; plus

(iii) Any electric space heating loads provided for with demand factors as permitted in Section 62 plus any air conditioning loads provided for with individual ratings in excess of 1,500 volt-amperes with a demand factor of 100 per cent, subject to Rule 8-106(4); plus

(iv) Any electric range load provided for as follows: 6,000 watts for a single range having a rating of 12 kilowatts or less, plus 40 per cent of the amount by which the rating of the range exceeds 12 kilowatts; plus

(v) Any loads provided for in addition to those outlined in Paragraphs (i) to (iv) inclusive at 25 per cent of the rating of each load with a rating in excess of 1,500 watts if an electric range has been provided for, or 100 per cent of the rating of each load with a rating in excess of 1,500 watts up to a total of 6,000 watts, plus 25 per cent of the load in excess of 6,000 watts if an electric range has not been provided for.

(b) (i) 100 amperes where the floor area, exclusive of basement floor area, based on outside dimensions, subject to Rule 8-110 (2), is 80 square metres or more; or

(ii) 60 amperes where the floor area, exclusive of basement floor area, based on outside dimensions, subject to Rule 8-110(2), is less than 80 square metres.

(2) The minimum ampacity of service conductors or of feeder conductors from a main service supplying two or more dwelling units of row-housing shall be based on:

(a) Subrule (1), excluding any electric space heating loads and any air conditioning loads, with application of demand factors to the loads as required by Rule 8-202 (2) (a) (i) to (v) inclusive; plus

(b) The requirements of Rule 8-202(2)(b), (c) and (d).

8-202 Apartments and Similar Multi-Family Buildings

(1) The minimum ampacity of service conductors or of feeder conductors from a main service supplying loads in dwelling units shall be the greater of Paragraphs (a) or (b):

- (a)
 - (i) A basic load of 3,500 watts for the first 45 square metres of living area (see Rule 8-110); plus
 - (ii) An additional 1,500 watts for the second 45 square metres or portion thereof; plus
 - (iii) An additional 1,000 watts for each additional 90 square metres or portion thereof in excess of the initial 90 square metres; plus
 - (iv) Any electric space heating loads provided for with demand factors as permitted in Section 62 plus any air-conditioning loads provided for with individual ratings in excess of 1,500 volt-amperes with a demand factor of 100 per cent, subject to Rule 8-106(4); plus
 - (v) Any electric range load provided for as follows: 6,000 watts for a single range having a rating of 12 kilowatts or less, plus 40 per cent of the amount by which the rating of the range exceeds 12 kilowatts; plus
 - (vi) Any loads provided for in addition to those outlined in Subparagraphs (i) to (v) inclusive at 25 per cent of the rating of each load with a rating in excess of 1,500 watts if an electric range has been provided for, or 100 per cent of the rating of each load with a rating in excess of 1,500 watts up to a total of 6,000 watts plus 25 per cent of the load in excess of 6,000 watts if an electric range has not been provided for;
- (b) 60 amperes except that where the total calculated load is in excess of 60 amperes the minimum ampacity shall be 100 amperes.

(2) The minimum ampacity of service conductors or of feeder conductors from a main service supplying two or more dwelling units shall be based on Subrule (1) and the following:

- (a) Excluding any electric space heating loads and any air conditioning loads, the load shall be considered to be:
 - (i) 100 per cent of the load in the unit having the heaviest load; plus
 - (ii) 65 per cent of the sum of the loads in the next two units having the next heaviest load; plus
 - (iii) 40 per cent of the sum of the loads in the next two units having the next heaviest load; plus

- (iv) 25 per cent of the sum of the loads in the next 15 units having the next heaviest load; plus
 - (v) 10 per cent of the sum of the loads in the remaining units;
- (b) If electric space heating is used, the sum of all the space heating loads, as determined in accordance with the requirements of Section 62, shall be added to the load determined in accordance with Paragraph (a), subject to Rule 8-106(4);
 - (c) If air-conditioning is used, the amount by which the sum of all the air-conditioning loads exceed 1,500 volt amperes shall be added, with a demand factor of 100 per cent, to the load determined in accordance with Paragraphs (a) and (b), subject to Rule 8-106(4);
 - (d) In addition, any lighting, heating and power loads not located in dwelling units shall be added with a demand factor of 75 per cent.

8-204 Schools

(1) The minimum ampacity of service or feeder conductors shall be based on the following:

- (a) A basic load of 50 watts per square metre of classroom area; plus
- (b) 10 watts per square metre of the remaining area of the building based on the outside dimensions; plus
- (c) Electric space heating, air-conditioning and power loads based on the rating of the equipment installed.

(2) Demand factors may be applied as follows:

- (a) For a building with an area up to and including 900 square metres based on the outside dimensions:
 - (i) As permitted in Section 62 for any electric space heating loads provided for; and
 - (ii) 75 per cent for the balance of the load;
- (b) For a building with an area exceeding 900 square metres based on the outside dimensions:
 - (i) As permitted in Section 62 for any electric space heating loads provided for; and
 - (ii) The balance of the load may be divided by the number of square metres to obtain a load-per-square-metre rating, and the demand load may be considered to be the sum of:
 - (A) 75 per cent of the load per square metre multiplied by 900; and
 - (B) 50 per cent of the load per square metre multiplied by the area of

the building in excess of 900 square metres.

8-206 Hospitals

(1) The minimum ampacity of service or feeder conductors shall be based on the following:

- (a) A basic load of 20 watts per square metre of the area of the building based on the outside dimensions; plus
- (b) 100 watts per square metre for high intensity area, such as operating rooms; plus
- (c) Electric space heating, air-conditioning and power loads based on the rating of the equipment installed.

(2) Demand factors may be applied as follows:

- (a) For a building with an area up to and including 900 square metres based on the outside dimensions:
 - (i) As permitted in Section 62 for any electrical space heating loads provided for; and
 - (ii) 80 per cent for the balance of the load;
- (b) For a building with an area exceeding 900 square metres based on the outside dimensions:
 - (i) As permitted in Section 62 for any electric space heating loads provided for; and
 - (ii) The balance of the load may be divided by the number of square metres to obtain a load-per-square-metre rating and the demand load may be considered to be the sum of:
 - (A) 80 per cent of the load per square metre multiplied by 900; and
 - (B) 65 per cent of the load per square metre multiplied by the area of the building in excess of 900 square metres.

8-208 Hotels, Motels, Dormitories and Buildings of Similar Occupancy

(1) The minimum ampacity of service or feeder conductors shall be based on the following:

- (a) A basic load of 20 watts per square metre of the area of the building based on the outside dimensions; plus
- (b) Lighting loads for special areas such as ball-rooms, etc., with a demand factor of 100 per cent; plus
- (c) Electric space heating, air-conditioning and power loads based on the rating of the equipment installed.

(2) Demand factors may be applied as follows:

(a) For a building with an area up to and including 900 square metres based on the outside dimensions:

- (i) As permitted in Section 62 for any electric space heating loads provided for; and
- (ii) 80 per cent for the balance of the load;

(b) For a building with an area exceeding 900 square metres based on the outside dimensions:

- (i) As permitted in Section 62 for any electric space heating loads provided for; and
- (ii) The balance of the load may be divided by the number of square metres to obtain a load-per-square-metre rating and the demand load may be considered to be the sum of:

- (A) 80 per cent of the load per square metre multiplied by 900; and
- (B) 65 per cent of the load per square metre multiplied by the area of the building in excess of 900 square metres.

8-210 Other Types of Occupancy. The minimum ampacity of service or feeder conductors for the types of occupancies specified in Table 14 shall be based on the following:

- (a) A basic load to be calculated on the basis of watts per square metre required by Table 14 for the area served based on the outside dimensions, with application of demand factors as indicated therein; plus
- (b) Special loads such as electric space heating, air-conditioning, power loads, show window lighting, stage lighting, etc., based on the rating of the equipment installed with such demand factors as are permitted by this Code.

8-212 Special Lighting Circuits. Where a panel-board is supplying special types of lighting, such as exit lights or emergency lights, which may be located throughout a building so that it is not possible to calculate the area served, the connected load of the circuits involved shall be used in determining a feeder size.

Branch Circuits

8-300 Branch Circuits Supplying Electric Ranges

(1) Conductors of a branch circuit supplying a range in a residential occupancy shall be considered as having a demand of:

- (a) 8 kilowatts where the rating of the range does not exceed 12 kilowatts;

(b) 8 kilowatts plus 40 per cent of the amount that the rating of the range exceeds 12 kilowatts;

(2) For the purpose of Subrule (1) two or more separate built-in cooking units may be considered as one range.

(3) For ranges or cooking units installed in commercial, industrial and institutional establishments, the demand shall be considered as not less than the rating.

(4) The demand loads given in this Rule shall not apply to cord-connected hot-plates, rangettes or other appliances.

8-302 Connected Loads

(1) For show window lighting installations, the demand load shall be determined on the assumption that not less than 650 watts per metre will be required, measured along the base of the window(s) except that a lower figure may be used by special permission where circumstances warrant such a reduction.

(2) A continuous load shall be one that continues for 2 hours or longer, or a load of a cycling or intermittent nature that the inspection department classes as continuous.

(3) Branch circuits supplying loads which are not specifically permitted to have a lower demand factor in this or other Sections of this Code shall not be allowed a demand factor of less than 100 per cent, except by special permission.

8-304 Minimum Number of 15 Ampere Branch Circuits. The minimum number of 15 ampere branch circuits to be provided for in an installation shall be calculated on the basis of a maximum loading of 12 amperes for each such branch circuit.

Automobile Heater Receptacles

8-400 Branch Circuits and Feeders Supplying Automobile Heater Receptacles

(1) At least one branch circuit protected by an overcurrent device rated or set at not more than 15 amperes shall be provided for each duplex receptacle or for every two single receptacles.

(2) Where the loading in each parking space or stall is not restricted or controlled, a separate branch circuit shall be provided for each parking space or stall and the feeder or service conductor shall be considered as having a demand load as follows:

No. of Automobile Spaces or Stalls	Demand Load Per Space or Stall (Watts)
First.....	30 1,200
Next.....	30 1,000
All Over.....	60 800

(3) Where branch circuits are provided for parking spaces or stalls in which the loading is restricted or controlled, the feeder or service conductors shall be considered as having a demand load as follows:

No. of Automobile Spaces or Stalls	Demand Load Per Space or Stall (Watts)
First.....	30 650
Next.....	30 550
All Over.....	60 450

(4) Parking lots which may be fully occupied under normal usage shall be assigned a greater demand load per space or stall.

SECTION 10—GROUNDING

Scope and Object

10-000 Scope

(1) This Section covers the protection of electrical installations by grounding.

(2) Insulating, isolating, and guarding may be used as acceptable means of affording supplemental protection to grounding or, where permitted in this Code, as a suitable alternative.

10-002 Object. Grounding as required by this Code shall be done in such a manner as to efficiently serve the following purposes:

- (a) To protect life from the danger of electric shock, and property from damage;
- (b) To limit the voltage upon a circuit when exposed to higher voltages than that for which the circuit is designed;
- (c) In general to limit ac circuit voltages-to-ground to 150 volts or less on circuits supplying interior wiring systems;
- (d) To facilitate the operation of electrical apparatus and systems; and
- (e) To limit the voltage on a circuit which might otherwise occur through exposure to lightning.

System and Circuit Grounding

10-100 Circuits. Circuits shall be grounded as necessary in accordance with this Section.

10-102 Two-Wire Direct-Current Systems

(1) Two-wire direct-current systems supplying interior wiring and operating at not more than 300 volts or not less than 50 volts between conductors shall be grounded, unless such system is used for supplying industrial equipment in limited areas and the circuit is equipped with a ground detector.

(2) If such a circuit operates at more than 300 volts between conductors and a neutral point can be established so that the maximum difference of potential between the neutral point and any other point on the system does not exceed 300 volts, the neutral conductor may be grounded.

10-104 Three-Wire Direct-Current System. The neutral conductor of all 3-wire direct-current systems supplying interior wiring shall be grounded.

10-106 Alternating-Current Systems

(1) Except as otherwise provided for in this Code, alternating-current systems shall be grounded if:

(a) By so doing, their maximum voltage-to-ground does not exceed 150 volts; or

(b) The system incorporates a neutral conductor.

(2) Wiring supplied by an ungrounded system shall be equipped with a suitable ground detection device to indicate the presence of a ground fault.

10-108 Electric Arc Furnace Circuits. Circuits supplying electric arc furnaces may, but need not be grounded.

10-110 Electric Crane Circuits. Circuits supplying electric cranes operating over combustible fibres in Class III hazardous locations shall not be grounded.

10-112 Isolated Circuits. Special circuits may be supplied from the ungrounded secondaries of transformers having the primary and secondary windings separated by a grounded metal shield if:

(a) Installed under the provisions of other Sections of the Code; or

(b) This is required to recognize a particular accident or fire hazard.

10-114 Circuits of Less than 50 Volts. Circuits of less than 50 volts shall be grounded:

(a) Where run overhead outside of buildings; or

(b) Where supplied by transformers energized from:

(i) Systems of more than 150 volts-to-ground; or

(ii) Ungrounded systems unless the circuits are provided in accordance with Rule 10-112.

10-116 Instrument Transformer Circuits

(1) Where the primary windings of current and potential instrument transformers are connected to circuits of 300 volts or more to ground, the secondary circuits of the transformer shall be grounded.

(2) Where the transformers are on switchboards, the secondary circuits shall be grounded irrespective of the voltage of the circuits.

Grounding Connections for Systems and Circuits

10-200 Current Over Grounding Conductors

(1) Where wiring systems, circuits, electrical equipment, arresters, cable armour, conduit and other metal raceways are grounded as a protective measure, the grounding shall be arranged so that there is no objectionable passage of current over the grounding conductors.

(2) The temporary currents which are set up under accidental conditions while the grounding conductors are performing their intended protective functions shall not be considered as objectionable.

(3) Where through the use of multiple grounds an objectionable flow of current occurs over the grounding conductor:

(a) One or more of the grounds shall be abandoned;

(b) The location of the grounds shall be changed;

(c) The continuity of the conductor between the grounding connections shall be suitably interrupted; or

(d) Other effective action shall be taken to limit the current.

10-202 Grounding Connection for Direct-Current Systems. Direct-current systems which are to be grounded shall have the grounding connection made at one or more supply stations but not at individual services nor elsewhere on interior wiring.

10-204 Grounding Connections for Alternating-Current Systems

(1) Alternating-current circuits which are to be grounded shall have:

(a) A connection to a grounding electrode at each individual service, except as provided for in Rule 10-200; and

(b) The grounding connection made on the supply side of the service disconnecting means either in the service box or in other acceptable service equipment; and

(c) At least one additional connection to a grounding electrode at the transformer or elsewhere; and

(d) No connection between the grounded circuit conductor on the load side of the service disconnecting means and the grounding electrode, except as provided for in Rule 10-208.

(2) Where the system is grounded at any point, the grounded conductor shall be run to each individual service and be not smaller than the required grounding conductor specified in Table 17 and where the grounded circuit conductor also serves as the neutral conductor, the requirements of Rule 4-022 shall be met.

(3) Notwithstanding Subrule (1), for circuits that are supplied from two sources in a common enclosure or grouped together in separate enclosures and employing a tie, a single grounding electrode connection to the tie point of the grounded circuit conductors from each power source shall be permitted.

10-206 Grounding Connections for Isolated Systems. For a wiring system or circuit which is required to be grounded, and which is not conductively connected to an exterior distribution system, the grounding connection shall be made at the transformer, or other source of supply, or on the supply side of the first switch controlling the system, and:

(a) The grounding conductor shall be not smaller than that specified in Table 17; and

(b) If two or more systems are employed, a common system grounding conductor shall be installed

unless separate grounding is supplied for each such system, in which case the grounding for the individual systems shall be interconnected.

10-208 Grounding Connections for Two or More Buildings Served by a Single Service.

(1) Where two or more buildings are served by one service, the grounded circuit conductor of the wiring system of any of the buildings shall be connected to a grounding electrode at any building which:

- (a) Uses two or more branch circuits supplied from the service; or
- (b) Houses livestock.

(2) Where a building uses one branch circuit supplied from the service, the grounded circuit conductor may be connected to a grounding electrode at the building.

(3) The grounding conductor required under Sub-rule (1) shall be not smaller than the required grounding conductor specified in Table 17.

10-210 Conductor to be Grounded

(1) For alternating-current wiring systems, the conductor to be grounded shall be as follows:

- (a) Single-phase, 2-wire—the identified conductor;
- (b) Single-phase, 3-wire—the identified neutral conductor;
- (c) Multi-phase systems having one wire common to all phases—the identified neutral conductor;
- (d) Multi-phase systems having one phase grounded—the identified conductor;
- (e) Multi-phase systems in which one phase is used as in Paragraph (b)—the identified conductor.

(2) In multi-phase systems in which one phase is used as a single-phase 3-wire system, only one phase shall be grounded.

Conductor Enclosure Grounding

10-300 Enclosures for Service Conductors. Service raceways, service cable sheaths or armouring, if of metal, shall be grounded.

10-302 Other Conductor Enclosures

(1) Metal enclosures for conductors, other than those referred to in Rule 10-300, shall be grounded except:

- (a) In runs of less than 7.5 metres which are free from probable contact with ground, grounded metal, metal lath, or conductive thermal insulation, and which, where within reach from grounded surfaces, are guarded against contact by persons; and
- (b) Runs used for physical protective sleeving of less than 1.5 metres in length, where the installation method is such that it is improbable they will become energized.

(2) Where single-conductor metal sheathed or armoured cables are installed in raceways of insulating material, in order to prevent the flow of sheath currents in accordance with Rule 4-008 (1) (c) the cables shall:

- (a) Be in separate ducts or supplied with suitable continuous non-conductive jackets;
- (b) Have their sheaths or armour bonded together and grounded at the supply end; and
- (c) Thereafter have their sheaths or armour isolated from each other and from ground.

Equipment Grounding

10-400 Fixed Equipment, General. Exposed non-current-carrying metal parts of fixed equipment shall be grounded if the equipment is:

- (a) Supplied by means of metal-enclosed wiring;
- (b) Supplied by means of wiring which contains a grounding conductor;
- (c) Located in a wet location and is not isolated;
- (d) Located within reach of a person who can make contact with any grounded surface or object;
- (e) Located within reach of a person standing on the ground;
- (f) In a hazardous location;
- (g) In electrical contact with metal, metal foil or metal lath; or
- (h) To operate with any terminal at more than 150 volts-to-ground, except:
 - (i) Enclosures for switches or circuit breakers that are accessible to qualified persons only;
 - (ii) Metal frames of electrically heated devices that have been exempted by special permission and are permanently and effectively insulated from ground; and
 - (iii) Transformers mounted on wooden poles at a height of more than 2.5 metres from the ground subject to the acceptance of the inspection department and the requirements of the supply authority.

10-402 Fixed Equipment, Specific

(1) Exposed, non-current-carrying metal parts of the following kinds of fixed equipment shall be grounded:

- (a) Frames of motors operating at more than 30 volts;
- (b) Cases of controllers for motors;

- (c) Electric equipment of elevators and cranes;
- (d) Electrical equipment in garages, theatres and motion picture studios, except pendant lamp-holders on circuits of not more than 150 volts-to-ground;
- (e) Motion-picture projection equipment;
- (f) Electric signs and associated equipment;
- (g) Generator frames in an electrically-operated organ, unless the generator is effectively insulated from the ground;
- (h) Switchboard frames and structures supporting switching equipment, except that frames of direct-current, single polarity switchboards need not be grounded if effectively insulated;
- (i) X-ray equipment used in therapy;
- (j) Equipment supplied by Class 1 and 2 circuits falling within the scope of Section 16 where such circuits require grounding to meet the intent of Rules 10-100 to 10-114.

(2) All non-current-carrying metal parts of lighting fixtures and associated equipment which could become energized shall be grounded if they are:

- (a) Exposed; or
- (b) Not exposed, but are in contact with exposed metal parts.

(3) Livestock waterers and similar equipment installed in feedlots and open feeding areas shall be grounded by a separate stranded copper grounding conductor of at least No. 6 AWG terminating at a point where the branch circuit receives its supply.

10-404 In Non-Metallic Wiring Systems. Where a non-metallic wiring system is used:

- (a) A ground connection shall be provided at all outlets; and
- (b) Metallic boxes and wiring devices incorporating provision for grounding shall be grounded.

10-406 Non-Electrical Equipment

(1) The following metal parts of non-electrical equipment shall be grounded:

- (a) Frames and tracks of electrically operated cranes;
- (b) The metal frame of a non-electrically driven elevator car to which electric conductors are attached;
- (c) Hand operated metal shifting ropes or cables of electric elevators;
- (d) Metal enclosures such as partitions, grill work, etc., around equipment carrying voltages in excess of 750 volts between conductors, unless in sub-stations or vaults under the sole control of the supply authority.

(2) Where a metallic water supply system is used in connection with premises supplied with electric power:

- (a) The water supply system shall be bonded to the system grounding conductor by means of a copper bonding conductor not smaller than No. 6 AWG; and
- (b) The bonding conductor shall be attached to the water supply system:
 - (i) At a location as near to the consumer's electrical service entrance as is practicable; and
 - (ii) At a location where a sub-feeder enters a barn or other building.

(3) Each metallic waste water piping system in the building shall be grounded by bonding it to the interior metallic water supply system by a copper bonding jumper of not less than No. 6 AWG.

(5) In buildings housing livestock all metallic water pipes, stanchions, water-bowls, vacuum lines and other metals shall be grounded by a separate stranded copper grounding conductor not smaller than No. 6 AWG.

10-408 Portable Equipment

(1) Exposed non-current-carrying metal parts of portable equipment shall be grounded under the following conditions:

- (a) When used in hazardous locations unless supplied through an isolating transformer having an ungrounded secondary of not over 50 volts;
- (b) When a Part II Standard, or the inspection department require the appliance or equipment to be provided with grounding means;
- (c) When the equipment is used in damp or wet locations, or by persons standing on the ground, on metal floors, inside metal tanks or boilers, except where such equipment is supplied through an isolating transformer having an ungrounded secondary of not more than 50 volts;
- (d) When the equipment operates with any terminal at more than 150 volts-to-ground except:
 - (i) Motors, where guarded; and
 - (ii) By special permission, the metal frames of electrically heated appliances which are impractical to ground but which are permanently and effectively insulated from ground.

(2) Exposed non-current-carrying metal parts of enclosures of portable X-ray equipment used in therapy shall be grounded except by special permission.

(3) Notwithstanding Subrules (1) and (2), tools and appliances need not be grounded when approved with a protective system of double insulation, or its equivalent, and so marked.

(4) Notwithstanding Subrule (1), tools and appliances required to have provision for grounding need not be grounded:

- (a) When used only in a location where reliable grounding cannot be obtained; and
- (b) They are supplied from an approved double insulated portable ground fault circuit interrupter of the Class A type.

10-410 Instrument Transformer Cases. The cases and frames of instrument transformers shall be grounded but where the primary circuit of a current transformer is not over 150 volts-to-ground and the transformer is used solely to supply current to meters, the case or frame of the current transformer need not be grounded.

10-412 Cases of Instruments, Meters, and Relays—Operating Voltage 750 Volts or Less

- (1) Where instruments, meters, and relays:
 - (a) Are not located on switchboards;
 - (b) Operate with windings or working parts at between 300 and 750 volts-to-ground; and
 - (c) Are accessible to other than qualified persons;

the cases and other exposed metal parts of the instruments, meters, and relays shall be grounded.

- (2) Where instruments, meters, and relays:
 - (a) Operate with windings or working parts at 750 volts or less to ground;
 - (b) Are on switchboards having no live parts on the front of the panels; and
 - (c) Are operated from current and potential transformers or are connected directly in the circuit;

the cases of the instruments, meters, and relays shall be grounded.

- (3) Where instruments, meters, and relays:
 - (a) Operate with windings or working parts at 750 volts or less to ground;
 - (b) Are on switchboards having exposed live parts on the front of the panels; and
 - (c) Operate from current and potential transformers or are connected directly in the circuit;

the cases of the instruments, meters, and relays shall not be grounded and, where the voltage-to-ground exceeds 150 volts, mats of insulating rubber or other suitable floor-insulation shall be provided for the operator.

10-414 Cases of Instruments, Meters, and Relays—Operating Voltage over 750. Where instruments, meters, and relays, have current-carrying parts over 750 volts-to-ground, they shall be isolated by elevation or protected by acceptable barriers, grounded metal or

insulating covers, or guards and their cases shall not be grounded, except that in electrostatic ground detectors the internal ground segments of the instrument shall be connected to the instrument case and grounded, and the detector shall be isolated by elevation.

Methods of Grounding

10-500 Effective Grounding. The path to ground from circuits, equipment, or conductor enclosures shall be permanent and continuous and shall have ample ampacity to conduct safely any currents liable to be imposed on it, and shall have impedance sufficiently low to limit the voltage above ground, and to facilitate the operation of the over-current devices in the circuit.

10-502 Common Grounding Conductor. The grounding conductor for circuits may also be used as a common grounding conductor for grounding equipment, conduit, and other metal raceways or enclosures for conductors, including service conduit or cable sheath and service equipment.

10-504 Common Grounding Electrode. Where the alternating-current system is connected to a grounding electrode in or at a building as specified in Rules 10-204 and 10-208, the same electrode may be used to ground conductor enclosures and equipment in or on that building.

10-506 Underground Service

(1) Where an underground service cable is served from a continuous underground metal-sheathed cable system and the sheath or armour of the service cable is metallically connected to the underground system the sheath or armour of the service cable shall not be required to be grounded at the building if it is insulated from the interior conduit or piping.

(2) Where a metal-sheathed service cable is served from a continuous underground metal-sheathed cable system, is bonded to the underground system and is contained in an underground service conduit, the conduit shall not be required to be grounded at the building if it is insulated from the interior conduit or piping.

10-508 Short Section of Raceway. Isolated sections of metal raceway or cable armour, if required to be grounded shall preferably be grounded by connecting to other grounded raceway or armour, but may be grounded in accordance with Rule 10-510.

10-510 Fixed Equipment

(1) Fixed equipment as specified in Rules 10-400 and 10-402 shall, subject to the provisions of Rule 10-802, be grounded in one of the following ways:

- (a) An effective metallic connection to grounded metal raceways, metal sheath or cable armour except:
 - (i) Armour as specified in Subrules (2) and (3); and/or

- (ii) Where the raceway or cables are run underground, in locations coming within the scope of Section 22, or otherwise subject to corrosion;
 - (b) A grounding conductor which is run with circuit conductors as a part of a cable assembly and which may be uninsulated, but, if provided with an individual covering, the covering shall be finished to show a green colour;
 - (c) A separate grounding conductor installed in the same manner as a grounding conductor for conduit and the like; or
 - (d) Other acceptable means, subject to special permission.
- (2) The armour of those constructions of armoured cables incorporating a grounding conductor shall not be considered as fulfilling the requirements of a grounding conductor for the purpose of this Rule, and the grounding conductor provided in these cables shall comply with Subrule (1) (b).
- (3) The armour of flexible conduit and liquid-tight flexible metal conduit shall not be considered as fulfilling the requirements of a grounding conductor for the purposes of this Rule, and a separate grounding conductor shall be run within the conduit.

10-512 Equipment on Structural Metal

- (1) Electrical equipment secured to and in contact with the grounded structural metal frame of a building, shall be deemed to be grounded.
- (2) Metal car frames supported by metal hoisting cables attached to or running over sheaves or drums of elevator machines shall be deemed to be grounded if the machine is grounded in accordance with this Code.

10-514 Portable Equipment. Where the non-current-carrying metal parts of portable equipment are required to be grounded, such grounding shall be obtained by:

- (a) Connection of the equipment to a permanent outlet provided with a grounding medium as required by Rule 10-510 for fixed equipment;
- (b) The use of one of the following means to obtain continuity between the non-current-carrying metal parts of the equipment and the permanent grounding medium:
 - (i) The metal enclosure of the conductors feeding the equipment; or
 - (ii) A bare conductor, or a green, or green yellow combination, coloured conductor run with the circuit conductors in flexible cords or power supply cables; and
- (c) The use of an approved multi-prong plug by which grounding is automatically established.

10-516 Pendent Equipment

- (1) Where the non-current-carrying metal parts of pendent equipment are required to be grounded, such grounding shall be obtained by:

- (a) Connection of the equipment to a permanent outlet provided with a grounding medium as required by Rule 10-510 for fixed equipment; and
- (b) The use of one of the following means to obtain continuity between the non-current-carrying metal parts of the equipment and the permanent grounding medium:
 - (i) The metal enclosure of the conductors feeding the equipment; or
 - (ii) A bare conductor, or a green, or green yellow combination, coloured conductor run with the circuit conductors in flexible cords or power supply cables.

(2) Chains which support electric lighting equipment shall not be used as a means of grounding the non-current-carrying metal parts of the equipment.

10-518 Pad Mounted Transformers. All exposed non-current-carrying metal parts of pad mounted transformers, their enclosures, etc., shall be grounded by a ground electrode consisting of four or more $\frac{3}{4}$ inch \times 10 foot ground rods driven so as to be not less than 2 metres apart, and suitably interconnected with an annealed copper conductor not smaller than No. 2/0 AWG to form a complete loop around the equipment at a distance of at least 1 metre from any part of the equipment; and

- (a) The ground electrode shall be connected to the non-current-carrying metal parts by a copper conductor of:
 - (i) Not less than No. 2/0 AWG where the available short circuit current is 1,000 amperes or more; or
 - (ii) Not less than No. 2 AWG where the available short circuit current is less than 1,000 amperes; and
- (b) Notwithstanding Paragraph (a) (ii), any grounding conductor that enters the earth shall be not smaller than No. 2/0 AWG;
- (d) System and equipment grounding conductors shall be effectively interconnected.

10-520 Grounding Equipment to Circuit Conductor

(1) The grounded circuit conductor on the load side of the connection to ground shall not be used for grounding equipment, cable armour, or metal raceways, except by special permission.

(2) The grounded service conductor on the supply side of the service disconnecting means shall be permitted to be used for grounding the metallic meter mounting devices and service equipment and, where the grounded service conductor passes through the meter mounting device, it shall be bonded to the meter mounting device.

10-522 Electrolytic Type Water Heaters. Electrolytic type water heaters connected to a grounded single-phase ac circuit may be used provided that:

- (a) A copper grounding conductor of a size given in the second column of Table 16 but in no case less than No. 12 AWG is run connecting the frame of the heater to the grounded conductor of the circuit at the service box; and
- (b) The grounded conductor of the circuit is grounded at the service box to a grounding system.

Bonding Methods

10-600 Clean Surfaces. Where a non-conductive protective coating such as paint or enamel is used on the equipment, conduit, couplings or fittings, such coating shall be removed from threads and other contact surfaces in order to ensure a good electrical connection.

10-602 Bonding at Service Equipment. The electrical continuity of the grounding circuit at the service equipment shall be assured by one of the means given in Rule 10-604 for the following equipment and enclosures if metallic:

- (a) Service raceways or service armour or sheaths;
- (b) All service equipment enclosures containing service entrance conductors including meter fittings, boxes, or the like, interposed in the service raceway or armour;
- (c) Any conduit or armour which forms part of the grounding conductor to the service raceway.

10-604 Means of Assuring Continuity at Service Equipment. Electrical continuity at service equipment shall be assured by:

- (a) The use of threaded couplings and threaded bosses on enclosures with joints made up tight where metallic rigid conduit is used;
- (b) The use of threadless couplings made up tight where electrical metallic tubing is used;
- (c) The use of bonding jumpers meeting the requirements of Rules 10-614 and 10-906; or
- (d) Other devices (not standard locknuts and bushings) such as grounding bushings specifically approved for the purpose, equipped with bonding jumpers meeting the requirements of Rule 10-614.

10-606 Metal Armour or Tape of Service Cable. Where service cable has an uninsulated grounded service conductor in continuous electrical contact with its metallic armour or tape, the metal covering shall be considered to be adequately grounded.

10-608 Bonding at Other than Service Equipment. The electrical continuity of metal raceway, metal-sheathed, or armoured cable shall be assured by one of the methods specified in paragraphs (a), (b), (c), and (d) of Rule 10-604, or by the use of:

- (a) Threadless fittings, made up tight with conduit or armoured cable;
- (b) Two locknuts, one inside and one outside of boxes and cabinets; or

- (c) One locknut and a metal conduit bushing provided the bushing can be installed so that it is mechanically secure and makes positive contact with the inside surface of the box or cabinet.

10-610 Loosely Jointed Metal Raceways

(1) Expansion joints and telescoping sections of raceways shall be made electrically continuous by bonding jumpers or other approved means.

(2) Metal trough raceways used in connection with sound recording and reproducing equipment made up in sections, shall contain a grounding conductor to which each section shall be bonded.

10-612 Hazardous Locations. In hazardous locations and in non-hazardous locations from which hazardous locations are supplied, the electrical continuity of metallic raceways, boxes and the like, shall be assured by one of the methods specified in Paragraphs (a), (c), and (d) of Rule 10-604.

10-614 Bonding Jumpers

(1) Bonding jumpers shall be:

- (a) Of copper or other corrosion-resistant material;
- (b) Of sufficient size to have an ampacity not less than that required for the corresponding grounding conductor except that this ampacity may be determined on the basis of:

(i) Table 41, where the conducting path is supplemented by:

- (A) The use of two lock nuts and a grounding bushing; or
- (B) The use of a conduit or cable connector with a built-in shoulder complete with one lock nut and grounding bushing; or

(ii) The maximum size that the terminal on the grounding bushing will accommodate where single conductor metallic-sheathed cables are employed and the sheaths are attached to a grounded metallic plate by connectors, each fitted with a locknut and a grounding bushing;

- (c) Attached to cabinets and similar equipment in a manner specified in Rule 10-906; and
- (d) Attached in a manner specified in Rule 10-908 where used between grounding electrodes or around water meters and the like.

(2) Straps when used for bonding non-current-carrying metal parts shall be not less than $\frac{3}{4}$ -inch in width and not less than 0.051-inch (No. 16 AWG) in thickness.

Grounding Electrodes

10-700 Grounding Electrodes

(1) Where a continuous electrically conductive underground public water main system, including

conductive service piping run therefrom to premises, is available, it shall be used as the grounding electrode.

(2) Where a continuous electrically conductive underground public water main system is not available, a service water pipe from the public water main to premises, if available, shall be used as the grounding electrode provided:

- (a) It is continuously electrically conductive; and
- (b) It is placed underground at least 250 millimetres below the normal permanent moisture level; and
- (c) The underground portion extends at least 3 metres beyond the extremities of the premises served; and
- (d) It is supplemented by one or more grounding electrodes referred to in Rule 10-702 if the metallic water piping does not have a ground resistance of 10 ohms or less.

(3) Where a system or piping of the types listed in Subrules (1) and (2) is not available, a continuous electrically conductive metallic water-piping system, if available, shall be used as the grounding electrode provided the resistance to ground of the system or piping is not greater than 10 ohms.

(4) Where a system of the types listed in Subrules (1), (2), or (3) is not available, a multiple grounded grid or an acceptable artificial ground electrode or electrodes shall be used as the grounding medium.

(5) In any case where two or more of the grounding mediums listed in this Rule appear at premises, the main grounding electrode for the system shall be selected in the order of preference outlined with bonding provided between the available electrodes in accordance with Rule 10-812.

10-702 Artificial Grounding Electrodes

(1) An artificial grounding electrode shall consist of a concrete encased electrode, rod electrode, or plate electrode, or other device acceptable for the purpose.

(2) A concrete encased electrode shall be not less than 6 metres of bare copper conductor of a size specified in Table 43 encased within the bottom 50 millimetres of a concrete foundation footing which is in direct contact with the earth.

(3) A rod electrode shall:

- (a) Be not less than $\frac{5}{8}$ inch in diameter if of iron or steel, or $\frac{1}{2}$ inch in diameter if of non-ferrous metal;
- (b) Be preferably of one piece where less than standard commercial length;
- (c) Be not less than 3 metres in length;
- (d) Have a clean metal surface which is not covered with paint, enamel, or other poor conducting material; and

(e) Consist of not less than two rods.

(4) A plate electrode shall:

- (a) Present not less than 0.2 square metres of surface to exterior soil; and
- (b) Be not less than $\frac{1}{4}$ inch in thickness if of iron or steel; or 0.06 inch if of non-ferrous metal.

(5) An artificial grounding electrode shall be buried at least 250 millimetres below permanent ground level, as far as practicable.

(6) An artificial grounding electrode shall be buried in a horizontal trench where rock bottom is encountered at a depth of less than 1.2 metres.

(7) A rod electrode shall be driven to a depth of at least 3 metres regardless of the size or number used, except that:

- (a) Where rock bottom is encountered at a depth of 1.2 metres or more, it shall be driven to rock bottom; or
- (b) Where rock bottom is encountered at a depth of less than 1.2 metres it shall be buried in a horizontal trench and be not less than 3 metres long.

(8) Each electrode shall be separated at least 3 metres from any other electrode including an electrode used for signal circuits, radio, lightning rods, or any other purpose.

(9) Where any or all of the separate grounding electrodes are bonded together, the bonding conductor shall be:

- (a) A copper conductor not smaller than No. 6 AWG;
- (b) Installed so as not to be subject to mechanical damage; and
- (c) Attached to electrodes for power systems in accordance with Rule 10-908 and preferably be attached to other electrodes in the same manner.

10-704 Resistance of Artificial Electrodes or Grounding System. Where the resistance to ground of an artificial electrode is higher than 10 ohms, two or more artificial electrodes shall be connected in parallel to form an artificial electrode system having, where practicable, a combined resistance to ground not greater than 10 ohms.

10-706 Railway Track as Electrodes. Rails or other grounded conductors of electric railway circuits shall not be used as a ground for other than railway lightning arresters and railway equipment, metal conduit, armoured or metal sheathed cable, metal raceway, and the like; and in no case shall such rails or other grounded conductors of railway circuits be used for grounding interior wiring systems other than those supplied from the railway circuit itself.

10-708 Spacing or Bonding Electrical and Lightning Rod Systems. Where practicable, a clearance of at least 2 metres shall be provided between lightning rods conductors and electrical conductors and equipment but, where this separation is not possible, the ground electrodes for the two systems shall be connected together, at or below ground level, with a copper conductor of a size not less than that of the grounding conductor for the electrical system and in no case shall the bonding conductor be smaller than No. 6 AWG copper.

10-710 Spacing and Bonding of Electrical and Communication System Grounding. Where separate artificial electrodes are provided as the grounding means for electrical and communication systems, each electrode shall be separated at least 2 metres from any other electrode as required by Rule 10-702 (8) and these shall be bonded together in accordance with Rule 10-702 (9).

10-712 Use of Lightning Rods. Lightning rod conductors and driven pipes, rods, or other electrodes, excluding buried metallic water-piping systems, used for grounding lightning rods shall not be used for grounding wiring systems or other electrical equipment.

Grounding Conductors

10-800 Continuity of Grounding Conductor. No automatic cutout or switch shall be placed in the grounding conductor of an interior wiring system unless the opening of the cutout or switch disconnects all sources of energy.

10-802 Material for System Grounding Conductors. The grounding conductor of a wiring system whether also used for grounding electrical equipment or not, may be insulated or bare, and shall be of copper.

10-804 Material for Equipment Grounding Conductors. The grounding conductor for equipment and for conduit and other metal raceways and enclosures for conductors shall be:

- (a) A conductor of copper or other corrosion-resistant material, insulated or bare;
- (b) A bus bar or steel pipe;
- (c) (i) Rigid metallic conduit except where directly buried in earth or located in concrete or masonry slabs in contact with the earth or in any location where materials having a deteriorating effect may come in contact with the raceway, in which case a separate grounding conductor as required in Subrule (a) shall be provided;
- (ii) Electrical metallic tubing except where used in concrete or masonry slabs in contact with the earth or in any location where materials having a deteriorating effect may come in contact with the raceway, in which case a separate grounding conductor as required by Subrule (a) shall be provided;

- (d) The sheath of mineral-insulated cable or any conductor of a mineral-insulated cable if it is permanently marked at the time of installation so that it can be readily distinguished from conductors which are not used as grounding conductors, except that if the sheath is of aluminum in an underground run or in a location where materials having a deteriorating effect may come in contact with the metal, corrosion resistant protection suitable for the corrosive condition encountered shall be provided;
- (e) The sheath of aluminum-sheathed cable, but if used for underground runs or in locations where materials having a deteriorating effect may come in contact with the metal, corrosion-resistant protection suitable for the corrosive conditions encountered shall be provided; or
- (f) Other metallic raceways or cable armour as provided for in Rule 10-510.

10-806 Installation of System Grounding Conductors

(1) The grounding conductor for a system shall be without joint or splice throughout its length, except in the case of bus bars, thermit welded joints or approved compression connectors applied with an approved compression tool compatible with the particular connector.

(2) A No. 6 AWG or larger copper grounding conductor which is free from exposure to mechanical injury may be run along the surface of the building construction without metal covering or protection, if it is rigidly stapled to the construction; otherwise it shall be in conduit, electrical metallic tubing, or cable armour.

(3) A copper grounding conductor of No. 8 AWG shall be in conduit, electrical metallic tubing or cable armour.

(4) Metallic enclosures for grounding conductors shall be continuous from the point of attachment to cabinets or equipment to the grounding electrode and shall be securely fastened to the ground clamp or fitting.

(5) Where a grounding conductor is run in the same raceway with other conductors of the system to which it is connected, it shall be insulated, except that where the length of the raceway does not exceed 15 metres between pull points and does not contain more than the equivalent of two quarter bends between pull points, an uninsulated grounding conductor may be used.

(6) Notwithstanding the requirements of Subrule (2), a grounding conductor No. 6 AWG or larger may be embedded in concrete provided that the points of emergence are so located or guarded as not to constitute exposure to mechanical injury.

10-808 Installation of Equipment Grounding Conductors

(1) The grounding conductor for equipment may be spliced or tapped as may be required, but such

splices or taps shall only be made within boxes except in the case of open wiring where they may be made externally from boxes and covered with insulation.

(2) Where more than one grounding conductor enters a box, all such conductors shall be in good electrical contact with each other by means of securing all grounding conductors under grounding screws, or by connecting them together with an acceptable solderless connector and connecting one conductor only to the box by a grounding screw or an approved grounding device, and the arrangement shall be such that the disconnection or removal of a receptacle, fixture, or other device fed from the box, will not interfere with, or interrupt the ground continuity.

(3) Where a grounding conductor is run in the same raceway with other conductors of the system to which it is connected, it shall be insulated, except that where the length of the raceway does not exceed 15 metres between pull points and does not contain more than the equivalent of two quarter bends between pull points, an uninsulated grounding conductor may be used.

(4) Where rigid metallic conduit or steel pipe is used as a grounding conductor, the installation shall comply with Section 12.

(5) A copper grounding conductor shall:

- (a) If No. 6 AWG or larger, and attached securely to the surface on which it is carried, be protected where exposed to mechanical injury; and
- (b) If smaller than No. 6 AWG, or if the installation does not come within the provisions of Paragraph (a) of this Subrule, be installed and protected in the same manner as the circuit conductor for a given installation.

(6) An aluminum grounding conductor shall:

- (a) If No. 4 AWG or larger and attached securely to the surface on which it is carried, be protected where exposed to mechanical injury;
- (b) If smaller than No. 4 AWG, or if the installation does not come within the provisions of Paragraph (a) of this Subrule, be installed and protected in the same manner as the circuit conductor for a given installation.

(7) Where a separate grounding conductor supplements the grounding afforded by a ferrous metallic raceway, it shall be installed in the same raceway as the circuit conductors.

10-810 Grounding Conductor Size for DC Circuits

(1) The ampacity of the grounding conductor for a direct-current supply system or generator shall be not less than that of the largest conductor supplied by the system, except that where the grounded circuit conductor is a neutral derived from a balancer winding or a balancer set, the size of the grounding conductor shall be not less than that of the neutral conductor.

(2) The system grounding conductor shall be copper and in no case smaller than No. 8 AWG.

10-812 Grounding Conductor Size for AC Systems and Fixed Equipment. The size of the grounding conductor shall be:

- (a) Not less than that given in column 2 of Table 17 for an alternating-current system or for a common grounding conductor;
- (b) Not less than that given in column 2, 3, or 4 of Table 18, as applicable for a service raceway, for the metal sheath or armour of a service cable, and for service equipment, where the alternating-current system is not grounded at the premises; and
- (c) Not less than that given in Table 16, for conduit, cable sheath or armour, other metal raceways, or enclosures for conductors, outlets which supply portable or pendent equipment, and fixed equipment, but in no case does it need to be larger than the largest ungrounded conductor in the circuit.

10-814 Grounding Conductor Size for Circuits Extended to Portable, Pendent or Fixed Equipment. The grounding conductor size for circuits run from the outlets referred to in Rule 10-812(c) to equipment shall be not less than that given in columns 2 or 3 of Table 16 as applicable, except where flexible cord having copper conductors in sizes No. 16 AWG and smaller are used, in which case the grounding conductor shall be the same size as the circuit conductor.

10-816 Grounding Conductor Size for Outline Lighting. Isolated non-current-carrying metal parts of outline lighting equipment may be bonded together by a No. 14 AWG copper conductor or of equal conductance if of other metal, protected from mechanical injury.

10-818 Grounding Conductor Size for Instrument Transformers. The grounding conductor for secondary circuits of instrument transformers and for instrument cases shall be not smaller than No. 12 AWG if of copper, or of equal conductance if of other metal.

Grounded Conductor Connections

10-900 Grounding Conductor Connection to Raceway. The point of connection of the grounding conductor to interior metal raceways, cable armour and the like shall be as near as practicable to the source of supply and shall be chosen so that no raceway or cable armour is grounded through a run of smaller size than is called for in Rule 10-812.

10-902 Grounding Conductor Connection to Water Pipe Electrodes

(1) Where the grounding electrode is a metallic water-piping system to which a common grounding conductor or the grounding conductor of a system is attached, the point of attachment shall be:

(a) On the street side of the water meter; or

(b) On a cold-water pipe of adequate ampacity and as near as practicable to the point of entrance of the water service in the building.

(2) Where practicable, the point of attachment shall be accessible.

(3) The metallic cold water system shall be made electrically continuous from the point of attachment of the grounding conductor to the water service entrance by bonding together all parts thereof if these parts contain insulating sections or may become disconnected as at meters, valves and unions.

(4) Equipment may be grounded to a cold-water pipe which is near the equipment.

10-904 Grounding Conductor Connection to other than Water Pipe Electrodes

(1) Where a metallic water-piping system is not available, the grounding conductor shall be attached to other electrodes at a point which will assure a permanent ground.

(2) Where practicable, the point of attachment shall be accessible.

10-906 Grounding Conductor Connection to Circuits and Equipment

(1) The grounding conductor, bond, or bonding jumper shall be attached to circuits, conduits, cabinets, equipment, and the like, which are to be grounded by means of suitable lugs, pressure wire connectors, clamps, or other approved means.

(2) Connections which depend upon solder shall not be used.

(3) The grounding conductor shall be secured to every metallic box by means of a grounding screw, which shall be used for no other purpose.

(4) The grounding conductor shall be brought into every non-metallic outlet box in such a manner that it can be connected to any fitting or device which may require grounding.

(5) A bonding jumper shall be installed to connect the grounding conductor to the grounding terminal of a receptacle and in such a manner that disconnection or removal of the receptacle will not interfere with, or interrupt, grounding continuity.

(6) In the case of metallically enclosed systems where the grounding path is provided by the metallic enclosure, a bonding jumper shall be installed to bond the grounding terminal of the receptacle to the enclosure.

(7) Notwithstanding Subrules (5) and (6) the bonding jumper, in the case of receptacles approved with grounding terminals isolated from the mounting strap required for special equipment, may be extended directly back to the distribution panel.

10-908 Grounding Conductor Connection to Electrodes

(1) The grounding conductor shall be attached to the grounding electrode by means of:

(a) An approved bolted clamp, of cast bronze or brass or of plain or malleable cast iron;

(b) A pipe fitting plug or other approved device screwed into the pipe or into the fitting;

(c) Copper welding by the thermit process; or

(d) Other equally substantial approved means.

(2) The grounding conductor shall be attached to the grounding fitting as required by Rule 10-906(1).

(3) Connections which depend on solder shall not be used.

(4) Not more than one conductor shall be connected to the grounding electrode by a single clamp or fitting, unless the clamp or fitting is of a type approved for multiple conductor connection.

Lightning Arresters

10-1000 Lightning Arresters on Secondary Services—750 Volts or Less

(1) Where a lightning arrester is installed on a secondary service, the connections to the service conductors and to the grounding conductor shall be as short as practicable.

(2) The grounding conductor may be:

(a) The grounded service conductor;

(b) The common grounding conductor;

(c) The service equipment grounding conductor; or

(d) A separate grounding conductor.

(3) The bonding or grounding conductor shall be of copper not smaller than No. 6 AWG.

10-1002 Lightning Arresters on Primary Circuits. The grounding conductor of a lightning arrester protecting a transformer which supplies a secondary distribution system may be interconnected as follows:

(a) A metallic interconnection may be made to the secondary neutral provided that, in addition to the direct grounding connection at the arrester, the grounded conductor of the secondary has elsewhere a grounding connection to a continuous metallic underground water-piping system;

(b) In urban water pipe areas where there are at least four water pipe connections on the neutral and not less than four such connections on 1.5 kilometres of neutral, the metallic interconnection may be made to the secondary neutral with omission of the direct grounding connection of the arrester;

- (c) Where the secondary is not grounded as in Paragraph (a) above but is otherwise grounded as in Rule 10-604 such interconnection, if made, shall be through a spark gap having a 60 hertz breakdown voltage of at least twice the primary circuit voltage but not necessarily more than 15 kilovolts, and there shall be at least one other ground on the grounded conductor of the secondary at least 6 metres distant from the lightning arrester grounding electrode.

10-1004 Installation Requirements and Guarding for Lightning Arrester Grounding Conductors. The grounding conductor for lightning arresters shall:

- (a) When enclosed in metallic material be connected to the guard at both ends; and
- (b) Be installed and protected to meet the requirements of Rule 10-806.

SECTION 12—WIRING METHODS

SCOPE

12-000 Scope. The provisions of Section 12 apply to all wiring installations operating at 750 volts or less, except for:

- (a) Class 2 circuits unless otherwise specified in Section 16;
- (b) Communication circuits as specified in Section 60;
- (c) Conductors which form an integral part of factory built equipment.

(2) The provisions of this Section apply also to installations operating at voltages in excess of 750 volts except as modified by the requirements of Section 36.

GENERAL REQUIREMENTS

12-010 Wiring in Ducts and Plenum Chambers

(1) No electrical equipment of any type unless approved for the purpose shall be installed in ducts used to transport dust, loose stock or flammable vapours.

(2) No electrical equipment of any type shall be installed:

- (a) In any duct used for vapour removal or for ventilation of commercial type cooking equipment; or
- (b) In any shaft which is required by regulation to contain only such ducts.

(3) Where conductors are installed in ducts, plenums or hollow spaces that are used to transport or move air as part of an environmental air system, or in a duct or plenum chamber to connect to an integral fan

system specifically approved for the purpose, the conductors shall be in accordance with the requirements of Rule 12-100 and shall be totally enclosed in a metallic raceway or have a metallic outer sheath or armour.

(4) Where a furnace cold-air return duct is formed by boxing in between joists, wiring methods approved for use in the particular location may be used.

12-012 Underground Installations

(1) Direct buried conductors, cables or raceways approved for the purpose shall be installed to meet the minimum cover requirements of Table 53.

(2) The minimum cover requirements shall be permitted to be reduced by 150 millimetres where mechanical protection is placed in the trench over the underground installation.

(3) Mechanical protection shall consist of one of the following and when in flat form shall be wide enough to extend at least 50 millimetres beyond the conductor, cables or raceways on each side:

- (a) Treated planking at least 38 millimetres thick;
- (b) Poured concrete at least 50 millimetres thick;
- (c) Concrete slabs at least 50 millimetres thick;
- (d) Concrete encasement at least 50 millimetres thick; or
- (e) Other acceptable material.

(4) Direct buried conductors or cables shall be installed so that they run adjacent to each other and do not cross over each other, and with a layer of 6 millimetres (nominal) screened sand or screened earth at least 75 millimetres deep, both above and below the conductors.

(5) Where conductors or cables rise for terminations or splices or where access is otherwise required, mechanical protection shall be provided in the form of rigid conduit terminated vertically in the trench and including a bushing or bell end fitting, or other acceptable protection at the bottom end from 300 millimetres above the bottom of the trench to at least 2 metres above finished grade, and beyond that as may be required by other Rules of the Code, and with sufficient slack provided in the conductors at the bottom end of the conduit so that the conductors enter the conduit from a vertical position.

(6) By special permission cables buried directly in earth may be spliced or tapped in trenches without the use of splice boxes and the splices and taps shall be made by methods and with material approved for the purpose.

(7) Raceways or metallic cables, if located in rock, may be installed at a lesser depth entrenched into the

rock in a trench not less than 150 millimetres deep and grouted with concrete to the level of the rock surface.

(8) Raceways may be installed directly beneath a concrete slab at grade level provided the concrete slab is not less than a nominal 100 millimetres in thickness and the location is adequately marked and the raceway will not be subject to damage during or after installations.

(9) Any form of mechanical protection that may adversely affect the conductors or cable assemblies, shall not be used.

(10) Backfill containing large rock, paving materials, cinders, large or sharply angular substance, or corrosive material, shall not be placed in an excavation where such materials may damage cables, raceways or other substructures or prevent adequate compaction of fill or contribute to corrosion of cables, raceways or other substructures.

(11) The initial installation shall be provided with adequate marking in a conspicuous location to indicate the location and depth of the underground installation.

(12) For installations not covered by the foregoing requirements of this Rule, the requirements of CSA Standard C22.3 No. 1-M1979, Overhead Systems and Underground Systems, or the appropriate authority, whichever is greater, shall apply.

(13) When it is permitted to utilize the free air ratings of Tables 1 and 3, the conductors shall be spaced at a minimum of 150 millimetres centre-to-centre.

12-014 Conductors in Hoistways

(1) Where by permission by the authority having jurisdiction, conductors other than those used to furnish energy to the elevator or dumbwaiter are installed in hoistways, they shall be mineral-insulated cable, aluminum-sheathed cable or armoured cable, or be run in rigid metal conduit or flexible conduit or metallic tubing.

(2) The cable, conduit, or tubing referred to in Subrule (1) shall be:

- (a) Securely fastened to the hoistway construction; and
- (b) Arranged so that terminal, outlet, or junction boxes open outside the hoistway except that pull boxes may be installed in long runs for the purpose of supporting or pulling-in conductors.

12-016 Lightning Rod Conductors. Where lightning rod conductors are installed, electrical wiring shall, where practicable, be kept at least 2 metres from such conductors except where bonding is provided in accordance with Rule 10-708.

12-018 Entry of Raceways and Cables into Buildings. Holes in outer walls or roofs of buildings through which raceways or cables pass shall be filled to prevent infiltration of moisture.

CONDUCTORS

General

12-100 Types of Conductors. Conductors installed in any location shall be suitable for the condition of use as indicated in Table 19 for the particular location involved and with particular respect to:

- (a) Moisture, if any;
- (b) Corrosive action, if any;
- (c) Temperature;
- (d) Degree of enclosure; and
- (e) Mechanical protection.

12-102 Thermoplastic-Insulated Conductors

(1) Conductors having thermoplastic insulation shall not be installed during any time when the ambient temperature is sufficiently low as to be liable to cause damage to the insulation.

(2) Such conductors shall not be so installed as to permit flexing or movement of the conductors after installation if the ambient temperature is liable to become low enough to damage the insulation during flexing or movement.

12-104 Flame-Retardant Coverings

(1) Where the insulation on a conductor has a flame-retardant covering, the covering shall be removed sufficiently at terminals and splices to prevent creepage of current over it.

(2) Where insulated conductors are closely grouped behind switchboards and in like places, they shall have a flame-retardant covering.

12-106 Multi and Single Conductor Cables

(1) Where multi-conductor cable is used, all conductors of a circuit shall be contained in the same multi-conductor cable except that, where it is necessary to run conductors in parallel due to the capacity of an alternating current circuit, additional cable may be used provided any one such cable includes an equal number of conductors from each phase and the neutral and shall be in accordance with Rule 12-108.

(2) A multi-conductor cable shall not contain circuits of different systems except as permitted in Rule 12-3036.

(3) Where single conductor cables are used, all single conductor cables of a circuit shall be of the same type and temperature rating and if run in parallel shall be in accordance with Rule 12-108.

(4) Single conductor armoured cable used as a current carrying conductor shall be of a type having non-ferrous armour.

12-108 Conductors in Parallel

(1) Except as provided for in Subrule (3) conductors of similar conductivity in sizes No. 1/0 AWG copper or aluminum and larger may be in parallel, provided they are:

- (a) Free of splices throughout the total length;

- (b) The same circular mil area;
- (c) The same type of insulation;
- (d) The same length; and
- (e) Terminated at both ends in a wire connector specifically approved for use with conductors in parallel or in individual wire connectors, mounted on a solid bus bar or splitter with a separate screw or stud for each connector to ensure equal division of current.

(2) The orientation of single conductor metal sheathed or armoured cables in parallel, with respect to each other and to those in other phases, shall be such as to minimize the difference in inductive reactance and the unequal division of current.

(3) Conductors of similar conductivity in sizes smaller than No. 1/0 AWG copper may be run in parallel to supply control power to indicating instruments and devices, contactors, relays, solenoid, and similar control devices provided they are:

- (a) Contained within one cable;
- (b) The ampacity of each individual conductor is sufficient to carry the entire load current shared by the paralleled conductors; and
- (c) The overcurrent protection is such that the ampacity of each individual conductor will not be exceeded if one or more of the paralleled conductors becomes inadvertently disconnected.

12-110 Radii of Bends in Conductors. The radii of bends in conductors shall be sufficiently large to ensure that no injury is done to the conductors or their insulation, covering, or sheathing.

12-112 Conductor Joints and Splices

(1) Unless made with approved solderless wire connectors, joints or splices in insulated conductors shall be soldered, but they shall first be made mechanically and electrically secure.

(2) Joints or splices shall be covered with an insulation approved for the purpose.

(3) Joints or splices in wires and cables shall be accessible.

(4) Splices in underground runs of cable, if required due to damage to the original installation, may be made:

- (a) In junction boxes suitably protected from mechanical damage which are located at least 1 metre above grade and secured to buildings or to stub poles; or
- (b) Notwithstanding the requirements of Subrule (3), by means of acceptable splicing devices or material (kits) suitable for direct earth burial.

12-114 Ends of Insulated Conductors. Where the ends of insulated conductors at switch and fixture outlets and in like places are not in use, they shall be insulated in the manner prescribed for joints and splices.

12-116 Termination of Conductors

(1) The portion of stranded conductors to be held by wire-binding terminals or solderless wire connectors shall have the strands confined so that there will be no stray strands to cause either short-circuits or grounds.

(2) Stranded and solid conductors larger than No. 10 AWG copper or aluminum shall be terminated in solderless connectors or if of copper shall be permitted to be soldered into lugs except where prohibited by Section 10.

12-118 Termination and Splicing of Aluminum Conductors

(1) Adequate precaution shall be given to the termination and splicing of aluminum conductors including the removal of insulation and separators, the cleaning (wire brushing) of stranded conductors, and the compatibility and installation of fittings.

(2) A joint compound, capable of penetrating the oxide film and preventing its reforming, shall be used for terminating or splicing all sizes of stranded aluminum conductors, unless the termination or splice is approved for use without compound and is so marked.

(3) Except as permitted in Subrules (4) and (5) equipment connected to aluminum conductors shall be specifically approved for the purpose and so marked.

(4) Equipment having only leads for connection to the supply need not be specifically approved for use with aluminum conductors.

(5) Equipment such as outlet boxes having only grounding terminals need not be specifically approved for use with aluminum conductors.

(6) Aluminum conductors shall not be terminated or spliced in wet locations unless the termination or splice is adequately protected against corrosion.

(7) Field-assembled connections between aluminum lugs and aluminum or copper bus bars or lugs, involving bolts or studs $\frac{3}{8}$ inch diameter or larger shall include as part of the joint any of the following means of allowing for expansion of the parts:

- (a) A conical spring washer; or
- (b) A helical spring washer of the heavy series, provided that a flat steel washer of thickness not less than $\frac{1}{6}$ of the nominal diameter of the bolt or stud is interposed between the helical washer and any aluminum surface against which it would bear; or
- (c) Aluminum bolts or studs, provided that all the elements in the assembled connection are of aluminum.

(8) Connection of aluminum conductors to wiring devices having wire binding terminal screws, about which conductors can be looped under the head of the screw, shall be made by forming the conductor in a clockwise direction around the screw into $\frac{3}{4}$ of a complete loop; and only one conductor shall be connected to any one screw.

12-120 Supporting of Conductors

(1) Conductors shall be supported so that no injurious strain is imposed on the terminals of any electrical apparatus or devices or on any joints or taps.

(2) Conductors in vertical raceways shall be supported independently of the terminal connections and at intervals not exceeding those specified in Table 21, and such supports shall maintain the continuity of the raceway system without injury to the conductors or their covering.

(3) Conductors in raceways shall not hang over the edges of bushings, bends or fittings of any kind in such a manner that the insulation may be damaged.

Open Wiring

12-200 Open Wiring Rules. Rules 12-202 to 12-224 apply only to single conductors run as open wiring.

12-202 Types of Conductors. Conductors shall be of types specified in Rules 12-100 and 12-102.

12-204 Spacing of Conductors

(1) Spacings between conductors and between conductors and adjacent surfaces shall, except as otherwise provided for in this Rule, comply with the following:

(a) For normally dry locations the spacings shall be not less than those specified in Table 20;

(b) Where circuits of different voltages are run parallel to each other, the separation between adjacent conductors of the different circuits shall be not less than that specified in Table 20 for conductors of the circuit having the higher voltage;

(c) In damp locations, a separation of at least 25 millimetres shall be maintained between conductors and adjacent surfaces.

(2) In all locations, a separation of at least 25 millimetres shall be maintained between conductors and adjacent metallic piping or conducting materials.

(3) Where conductors are run across the open faces of joists, studs, or timber, the separation between conductors shall be as specified in Rule 12-212.

(4) At connections to fittings and devices or in other cases where it is not practical to maintain the spacings specified above, individual conductors shall be encased in porcelain tubes or continuous lengths of flexible tubing, but:

(a) The porcelain tubes or flexible tubing shall extend the full length of the conductor between points of support; and

(b) The flexible tubing shall not be used in damp locations, unless a spacing of not less than 25 millimetres can be maintained between the tubing and any wet or conducting surfaces.

12-206 Conductor Supports

(1) Conductors shall be supported rigidly on non-combustible, absorption-resisting insulators.

(2) Split knobs shall not be used to support conductors larger than No. 8 AWG copper or aluminum.

(3) Conductors supported on solid knobs shall be securely tied thereto by tie wires having insulation of the same type as that on the conductors which they secure.

(4) Where used on metal surfaces, thermoplastic-insulated conductors shall not be mounted in split knobs or cleats.

12-208 Conductors on Flat Surfaces. Where conductors are run on flat surfaces, they shall be supported rigidly at intervals of not more than 1.5 metres.

12-210 Material for Attachment of Conductor Supports. Knobs and cleats shall be fastened securely with screws.

12-212 Protection from Mechanical Injury

(1) Where conductors are supported on or run across the open faces of joists, wall-studs, or other timber, or on walls where exposed to mechanical injury, they shall be protected by running-boards, guard-strips, wooden boxing or sleeves of iron pipe.

(2) Where conductors are not exposed to mechanical injury, they may be run directly from timber to timber, but shall be:

(a) Of not less than No. 8 AWG;

(b) Separated from each other by not less than 150 millimetres; and

(c) Supported at each timber.

(3) Open wiring shall not be run across the tops of ceiling joists in unfinished attics or like places.

12-214 Material for Running-Boards, Guard-Strips and Boxing

(1) Material for running-boards, guard-strips, and boxing shall be at least 19 millimetres thick and the edges of running-boards shall project at least 12 millimetres beyond the insulators on both sides.

(2) Guard-strips shall be at least as high as the insulators and placed as close to the conductors as Table 20 permits.

(3) In wooden boxing, there shall be a clear space of at least 25 millimetres between conductors and adjacent surfaces, and the ends of boxing not abutting on the structure of the building shall be closed.

12-216 Ends of Conductors

(1) Conductors shall not be brought to a dead-end at any fitting distant more than 300 millimetres from the last supporting insulator.

(2) Where conductors of No. 8 AWG copper or aluminum or larger are run as open wiring, solid knobs or strain insulators shall be used at the ends of the run.

12-218 Conductors Passing Through Walls or Floors

(1) Where a conductor passes through walls, floors, timbers, or partitions, it shall be bushed:

- (a) Where not exposed to mechanical injury, with a continuous porcelain tube; or
- (b) Where exposed to mechanical injury, with a single sleeve of iron pipe enclosing all conductors of the circuit and each conductor shall be separately encased in a continuous length of flexible tubing extending the full distance between the insulators next adjacent to the ends of the sleeve.

(2) The bushing shall be secured in place and shall project at least 12 millimetres beyond the finished surface from which it issues.

12-220 Maintaining Clearances. Sub-bases shall be installed under all surface-mounted snap switches and receptacles unless adequate clearances are otherwise maintained.

12-222 Where Open Wiring Connects to Other Systems of Wiring. Where open wiring is connected to conductors in raceways, armoured cable, or non-metallic sheathed cable, the junction shall be made in a box, or at, or in, a fitting having a separately bushed hole for each conductor.

12-224 Provision for Grounding. Where open wiring is used, provision for grounding shall be made in accordance with the Section 10 requirements.

Exposed Wiring on Exteriors of Buildings and Between Buildings on the Same Premises

12-300 Exterior Exposed Wiring Rules. Rules 12-302 to 12-318 apply only to exposed wiring run on the exterior surfaces of buildings or between buildings on the same premises.

12-302 Types of Conductors. Conductors shall be of types suitable for exposure to the weather as indicated in Table 19.

12-304 Location of Conductors

(1) Subject to the provisions of Rule 6-116, where the conductors are supported on or in close proximity to the exterior surfaces of buildings they shall be installed and protected so that they shall not be a hazard to persons or be exposed to mechanical injury and they shall not, without special permission, be less than 4.5 metres from the ground.

(2) Where the conductors are exposed to mechanical injury from awnings, swinging signs, shutters, or other movable objects, they shall be run in rigid conduit made water-tight.

12-306 Conductor Supports

(1) Conductors on the exterior surfaces of buildings shall be supported by brackets, racks, insulators, or other acceptable means at intervals of not more than 3

metres and the individual conductors shall be distant at least 150 millimetres from one another and at least 50 millimetres from the adjacent surfaces.

(2) Where petticoat insulators are used, they shall be installed at intervals of not more than 4.5 metres under normal conditions and at smaller intervals where the conductors are subject to disturbance and shall be located so as to hold the individual conductors at least 300 millimetres apart and at least 50 millimetres from adjacent surfaces.

(3) Where the conductors are not exposed to the weather, they may be supported on glass or porcelain knobs placed at intervals of not more than 1.5 metres and holding the conductors at least 25 millimetres from adjacent surfaces.

(4) Where conductors connected to a voltage of 300 volts or less are located in proximity to conductors of a higher voltage not exceeding 750 volts, the conductors of the higher voltages shall be mounted above and kept at least 300 millimetres away from the conductors of the lower voltage.

12-308 Minimum Size of Overhead Conductors. Single conductors run aerially between buildings or supports on the same premises in spans exceeding 4.5 metres shall have acceptable tensile strength and shall be not smaller than:

- (a) No. 10 AWG copper or No. 6 AWG aluminum for spans of more than 4.5 metres but not more than 15 metres;
- (b) No. 8 AWG copper or No. 4 AWG aluminum for spans of more than 15 metres but not more than 30 metres; and
- (c) No. 6 AWG copper or No. 3 AWG aluminum for spans of more than 30 metres but not more than 40 metres.

12-310 Clearance of Conductors. The conductors shall be located or guarded so that they cannot be reached by a person standing on a fire escape, flat roof, or other portion of a building, and they shall be at least 2.5 metres above the highest point of a flat roof or roof that can be readily walked upon and at least 1 metre above peaked roofs or the highest point of roofs that cannot be readily walked upon except that, by special permission, they may be less than 2.5 metres but not less than 2 metres above the highest point of a flat roof or roofs than can be readily walked upon.

12-312 Conductors over Buildings. Conductors shall not be carried over buildings without special permission, and work shall not be begun until the plans and specifications for the work are approved by the inspection department.

12-314 Conductors on Trestles. Where the conductors pass over buildings, they shall, where practicable, be supported on structures not connected to the building but, where not practicable, they shall be supported on and secured to trestles constructed of steel or other acceptable material.

12-316 Power Supply Conductors. The conductors of a power supply system attached to the exterior surfaces of buildings shall be at least 100 millimetres from the conductors of a communication system unless one system is in conduit or is permanently separated from other systems by a continuous fixed non-conductor other than the insulation on the conductors.

12-318 Use of Neutral Supported Cables. When neutral supported cables are used the following requirements shall apply:

- (a) They shall not be mounted directly on any surface;
- (b) They shall be secured so that they will be not less than:
 - (i) 1 metre from a building in the case of Type NS-1;
 - (ii) 50 millimetres from a building in the case of Type NSF-2;
- (c) They shall be supported in spans of not more than 38 metres in length;
- (d) The conductors shall be secured to the messenger at all terminations;
- (e) Where aluminum conductors are used, wire connectors approved for use with such conductors shall be used; and
- (f) The bare neutral (messenger) when used as a neutral conductor forming part of an electrical circuit shall be:
 - (i) Supplied from a grounded ac system;
 - (ii) Attached to an insulator at points of support and at terminations; and
 - (iii) Not connected to or in contact with any grounded surface except as permitted by other rules of this Code.

Concealed Knob-And-Tube Wiring

12-400 Concealed Knob-and-Tube Wiring Rules. Rules 12-402 to 12-422 apply only to concealed knob-and-tube wiring.

12-402 Maximum Potential. Knob-and-tube wiring shall not be used for potentials exceeding 150 volts to ground or 300 volts between any two conductors.

12-404 Types of Conductors. Conductors shall be of types acceptable for concealed knob-and-tube wiring as indicated in Table 19.

12-406 Spacing of Conductors. Conductors shall be separated from each other by a distance of at least 100 millimetres and from adjacent surfaces by a distance of at least 25 millimetres, except that:

- (a) At distribution centres, meters, outlets, switches, and places where 100 millimetres separation cannot be maintained between conductors, each conductor shall be encased in a

continuous length of flexible tubing extending from within the distribution box, meter, outlet box, or switch box to the nearest supporting knob; or

- (b) Where conductors approach at any point within 25 millimetres of other electrical conductors or of metallic piping or other conducting material, they shall be protected in the manner prescribed by Rule 12-204 (4).

12-408 Conductors Passing Through Walls or Floors. Where conductors pass through walls, floors, timbers, or partitions, they shall be protected in the manner prescribed by Rule 12-218.

12-410 Conductor Supports

(1) Conductors shall be supported separately on incombustible, absorption-resisting insulators.

(2) Split knobs shall not be used to support conductors larger than No. 8 AWG copper or aluminum.

(3) Conductors supported on solid knobs shall be securely tied thereto by tie-wires having insulation of the same type as that on the conductors which they secure.

12-412 Conductors on Flat Surfaces

(1) Conductors shall be run singly on separate timbers or studding where practicable and shall be supported rigidly at intervals of not more than 1.5 metres.

(2) Where conductors of No. 8 AWG copper or aluminum or larger are run as knob-and-tube wiring, solid knobs or strain insulators shall be used at the ends of the run.

12-414 Material for Attachment of Conductor Supports. Knobs shall be fastened securely with screws.

12-416 Conductors in Plastered Partitions. When conductors pass through or near cross-timbers in spaces behind plastering, the parts of the conductors which are within a distance of 75 millimetres measured vertically above the upper surface of the cross-timbers shall be protected by porcelain tubes.

12-418 Where Conductor Supports Cannot Be Attached

(1) Where it is impracticable to use insulating supports in any portion of an installation and the conductors are in a dry location, they may be fished, and shall be run separately, in flexible tubing extending in continuous lengths between supports, from a support to an outlet or between outlets; or some other wiring method providing mechanical protection for the conductors shall be used.

(2) There shall be no joints or splices in the conductors within their protective coverings.

12-420 Where Knob-and-Tube Wiring Connects to Other Systems of Wiring. Where knob-and-tube wiring is connected to conductors in raceways, ar-

moured cable, or non-metallic sheathed cable, the junction shall be made in a box having a separately bushed hole for each conductor.

12-422 Provision for Grounding

Where knob-and-tube wiring is used, provision for grounding shall be made in accordance with Section 10 requirements.

Bare Bus Bars and Risers

12-500 Where Bare Bus Bars May be Used

(1) Bare conductors shall not be used as main risers or feeders in buildings unless special permission is obtained.

(2) Special permission shall not be granted unless:

- (a) The building is of fire-resisting construction;
- (b) The conductors are placed in a chase, channel, or shaft located or guarded so that the conductors are inaccessible;
- (c) The premises do not constitute a hazardous location;
- (d) Suitable cut-offs to protect against the vertical spread of fire are provided where floors are pierced; and
- (e) The mechanical and electrical features of the installation and the conductor supports are, in the opinion of an inspector, appropriate to the operating and maintenance conditions likely to occur, the following specific requirements being used in the case of bus bars rated 1,200 amperes or less:
 - (i) Where flat bare bus bars $\frac{1}{4}$ inch or less in thickness are used, the continuous current rating shall not exceed 1,000 amperes per square inch of cross-sectional area of copper bus bar, or 700 amperes in the case of aluminum bus bars; and
 - (ii) Bus bar supports shall be spaced not greater than 750 millimetres apart, with minimum clearance across insulating surfaces between bars of opposite polarity of not less than 50 millimetres and 25 millimetres between bus bars and any grounded surface.

Non-Metallic Sheathed Cable

12-600 Non-metallic Sheathed Cable Rules. Rules 12-602 to 12-626 shall apply only to conductors run as non-metallic sheathed cable.

12-602 Maximum Potential. Non-metallic sheathed cable shall not be used where the voltage exceeds 300 volts between any two conductors.

12-604 Non-metallic sheathed cable may be installed in or on buildings of combustible (ordinary or wood frame) construction, and in or on buildings of other types of construction as the inspection department may permit.

12-606 Method of Installation

(1) The cable shall be run in continuous lengths between outlet boxes, junction boxes, and panel boxes as a loop system, and the joints, splices, and taps shall be made in the boxes.

(2) Where concealed wiring is connected to non-metallic sheathed cable, the junction shall be made in a box.

(3) Where open wiring is connected to non-metallic sheathed cable, the junction shall be made in a box or at or in a fitting having a separately bushed hole for each conductor.

(4) Where non-metallic sheathed cable is run in proximity to heating ducts or piping, transfer of heat to the cable shall be minimized by means of an air space of at least 25 millimetres or by the installation of an acceptable thermal barrier between the cable and the duct or piping.

(5) Two-conductor cable shall not be stapled on edge.

12-608 Bending and Stapling of Cable. The cable shall not be bent, handled, or stapled so that the insulated conductors or outer covering is damaged.

12-610 Running of Cable Between Boxes and Fittings

(1) Where the cable is run between boxes and fittings it shall be secured by straps or other approved devices located within 300 millimetres of every box or fitting and at intervals of not more than 1.5 metres throughout the run.

(2) Cables run through holes in joints or studs shall be considered to be secured.

(3) Notwithstanding Subrules (1) and (2), where the cable is run as concealed wiring such that it is impracticable to secure it, the cable may be fished and need not be secured between boxes and fittings.

12-612 Not to be Embedded. The cable shall not be buried in plaster, cement, or similar finish.

12-614 Protection on Joists and Rafters. Cables shall not be run on or across:

- (a) The upper faces of ceiling joists or the lower faces of rafters in attic or roof spaces, where the vertical distance between the joists and the rafters exceeds 1 metre; or
- (b) The lower faces of basement joists, unless suitably protected from mechanical injury.

12-616 Protection For Cable In Concealed Installations

(1) Where the cable is run through studs, joists, or similar wooden members, the outer surfaces of the cable shall be kept distant at least 32 millimetres from

the edges of the wooden members or the cable shall be effectively protected from mechanical injury.

(2) Where the cable is run through or along metallic studs, joists, sheathing or cladding, it shall be:

- (a) So located to be effectively protected from mechanical injury both during and after installation;
- (b) Protected where it passes through a member by an approved insert of insulating material adequately secured to the opening in the member; and
- (c) Supported where it runs along or parallel to a member by an approved support of insulating material to ensure isolation from the metal.

(3) Where the cable is installed immediately behind a baseboard, it shall be effectively protected from mechanical injury from driven nails.

12-618 Protection for Cable in Exposed Installations. Cable used in exposed wiring shall be adequately protected against mechanical damage where it passes through a floor, is less than 1.5 metres above a floor or where exposed to mechanical damage.

12-620 Fished Cable Installation. Where the cable is used in concealed wiring and it is impracticable to provide the supports required by Rule 12-610 the cable may be fished.

12-622 Where Outlet Boxes Are Not Required

(1) Where the cable is exposed, approved switch, outlet, and tap devices of insulating material may be used without boxes.

(2) The openings in the devices shall fit closely around the outer covering of the cable.

(3) The device shall fully enclose any part of the cable from which any part of the covering has been removed.

(4) Where the conductors are connected to the devices by binding-screw terminals, there shall be as many screws as there are conductors unless the cables are clamped within the device or the terminals are of a type approved for the purpose.

12-624 Types of Boxes and Fittings

(1) Boxes and fittings shall be of a type approved for use with non-metallic sheathed cable.

(2) Where grounded metal boxes are not required by these rules, outlet and switch boxes may be of fire-resisting moulded composition insulating material, furnished with a cover of the same material.

12-626 Provision for Grounding. Where non-metallic sheathed cable is used, provision for grounding shall be made in accordance with Section 10.

Armoured Cable

12-700 Armoured Cable Work Rules. Rules 12-702 to 12-718 apply only to armoured-cable work.

12-702 Use

(1) Armoured cable may be installed in or on buildings or portions of buildings of either combustible or other than combustible types of construction.

(2) Except as noted in Subrule (3), armoured cable shall be of the type listed in Table 19 as suitable for direct burial if used:

- (a) For underground runs;
- (b) For circuits encased or embedded in at least 50 millimetres of masonry, poured concrete, or fill in buildings in course of construction; or
- (c) In locations where it will be exposed to weather, continuous moisture, excessive humidity, or to oil or other substances having a deteriorating effect on rubber insulation.

(3) Armoured cable which has the armouring made wholly or in part of aluminum shall not be embedded in concrete containing reinforcing steel unless:

- (a) The concrete is known to contain no chloride additives; or
- (b) The armour has been treated with an approved bituminous base paint or other approved means to prevent galvanic corrosion of the aluminum.

(4) Where armoured cables are laid in or under cinders or cinder concrete, they shall be protected from corrosive action by a grouting of non-cinder concrete at least 25 millimetres thick entirely surrounding them unless they are 450 millimetres or more under the cinders or cinder concrete.

(5) In buildings of fire-resisting construction, armoured cables having conductors not larger than No. 10 AWG copper or aluminum, may be laid on the face of the masonry or other material of which the walls and ceiling are constructed and may be buried in the plaster finish.

12-704 Protection for Armoured Cables in Lanes. If subject to mechanical injury and unless otherwise protected, acceptable steel guards of not less than No. 10 MSG, adequately secured, must be installed to protect armoured cables less than 2 metres above grade in lanes and driveways.

12-706 Use of Thermoplastic Covered Armoured Cable. Armoured cable of the type listed in Table 19 as suitable for direct earth burial and which has a thermoplastic outer covering, shall only be used where the outer covering will not be subjected to mechanical injury.

12-708 Continuity of Armoured Cable. The armour of cables shall be mechanically and electrically continuous throughout and shall be mechanically and electrically secured to all equipment to which it is attached, except that the lead-sheath of lead-sheathed armoured cable need not be bonded.

12-710 Terminating Armoured Cable

(1) Where conductors issue from armour, they shall be protected from abrasion:

(a) By acceptable bushings of insulating material or equivalent devices; or

(b) By the sheath of lead-sheathed armoured cable.

(2) Where conductors are No. 4 AWG or larger, copper or aluminum, the protection shall consist of:

(a) Insulated type bushings, unless the equipment is equipped with a hub having a smoothly rounded throat; or

(b) Insulating material fastened securely in place which will separate the conductors from the armoured cable fittings and afford adequate resistance to mechanical injury.

(3) Where armoured cable is fastened to equipment, the connector or clamp shall be of such design as to leave the insulating bushing or its equivalent, or the end of the lead sheath, visible for inspection.

(4) Where conductors connected to open wiring issue from the ends of armouring, they shall be protected with approved boxes or with fittings having a separately bushed hole for each conductor.

(5) Where lead-sheathed armoured cables are used in locations where moisture may accumulate, a pothead or equivalent device shall be used to protect the conductors from moisture and mechanical injury at their point of issue from the lead-sheathing.

12-712 Proximity to Knob-and-Tube and Non-metallic Sheathed Cable Systems. Where armoured cable is used in a building in which concealed knob-and-tube wiring or concealed non-metallic sheathed cable wiring is installed, the cable shall not be fished if there is a possibility of damage to the existing wiring.

12-714 Radii of Bends in Armoured Cables

(1) Where armoured cables are bent during installation, the radius of the curve of the inner edge of the bends shall be at least 6 times the internal diameter of the armoured cable.

(2) Where lead-sheathed armoured cable is used, the radius of the curve of the inner edge of the bends shall be at least 10 times the internal diameter of the armoured cable.

(3) Bends shall be made without undue distortion of the armour and without injury to its inner or outer surfaces.

12-716 Concealed Armoured Cable Installation

(1) Where armoured cable is run through studs, joists, or other wooden members, it shall be:

(a) Located so that its outer circumference is at least 32 millimetres from the nearest edge of the wooden members; or

(b) Protected from mechanical injury where it passes through the holes in the wooden members.

(2) Where armoured cable is installed immediately behind baseboards, it shall be protected from mechanical injury from driven nails.

12-718 Running of Cable Between Boxes, Etc. Armoured cable shall be secured between boxes and fittings in accordance with Rule 12-610.

Mineral-Insulated and Aluminum-Sheathed Cable

12-800 Mineral-Insulated and Aluminum-Sheathed Cable Rules. Rules 12-802 to 12-818 cover the installation of mineral-insulated and aluminum-sheathed cable and are amendatory of the other rules of this Code where they apply.

12-802 Use

(1) Mineral-insulated cable and aluminum-sheathed cable may be installed in or on buildings or portions of buildings of either combustible or other than combustible types of construction.

(2) Light-weight mineral-insulated cable shall be used only in multi-conductor assemblies.

12-804 Use When Embedded

(1) Mineral-insulated cable and, round aluminum-sheathed cable, except as noted in Subrule (3), may be used for underplaster extensions or when encased or embedded in at least 50 millimetres of masonry or poured concrete.

(2) Except as noted in Subrule (3) of this Rule, flat two-conductor aluminum-sheathed cable may be used for underplaster extensions where embedded in masonry, or concrete, by special permission only.

(3) Cable having an aluminum sheath shall not be embedded in concrete containing reinforcing steel unless:

(a) The concrete is known to contain no chloride additives; or

(b) The sheath has been treated with an approved bituminous base paint or other approved means to prevent galvanic corrosion of the aluminum.

12-806 In Ducts or Plenum Chambers. Mineral-insulated and aluminum-sheathed cable may be used in air-conditioning ducts and plenum chambers when provided with acceptable fittings.

12-808 Method of Supporting

(1) Mineral-insulated and aluminum-sheathed cable shall be securely supported by staples, straps, hangers, or similar fittings in such a manner as not to:

(a) Injure the sheath of the cable; or

(b) Subject the cable or its termination fittings to undue strain.

(2) Mineral-insulated and aluminum-sheathed cable shall be secured at intervals not exceeding 2 metres, except where the cable is fished and adequate supports are installed, if needed, adjacent to termination fittings.

(3) When settlement of a structure may occur due to weight of contents as in certain grain storage occupancies, provision shall be made so that mineral-insulated and aluminum-sheathed cable runs, including their termination fittings, will not be subjected to undue strain.

(4) Mineral-insulated and aluminum-sheathed cable may be run on the surface of walls, partitions, ceilings, or on or across structural members, subject to the applicable requirements of Rule 12-812.

12-810 Direct Earth Burial. Mineral-insulated cable having an aluminum outer sheath and aluminum-sheathed cable in direct contact with the earth shall be provided with a non-metallic jacket or other corrosion resisting covering.

12-812 Mechanical Protection

(1) Where subject to mechanical injury, mineral-insulated and aluminum-sheathed cable shall be suitably protected.

(2) Where mineral-insulated or aluminum-sheathed cable is installed on the face of a wall, partition, ceiling, or structural member within 1.5 metres of the floor, and in all locations where subject to mechanical injury as for instance from industrial tractors, other vehicles, equipment, stock piling, or excessive vibration, a suitable safeguard against such injury shall be provided.

(3) Mineral-insulated or aluminum-sheathed cable shall be protected, located, or arranged so that a 2½-inch common nail cannot be driven into it, where the cable is:

- (a) Run through bored or notched holes or grooves in wooden structural members;
- (b) Secured directly to the underside of wooden flooring;
- (c) Located behind baseboards or casings.

(4) In order to comply with Subrule (3), the hole, groove, or supporting strap containing the cable may be sufficiently oversized to permit the cable to move a distance equal to at least the radius of the cable.

(5) Where mineral-insulated or aluminum-sheathed cable passes from a point above grade to direct earth burial and is not otherwise protected against mechanical injury, a suitable pipe stubup shall be arranged to encase the cable to a point where practicable at least 300 millimetres above grade and, in locations where frost heaving may occur, the encasement shall slide freely on the cable, so as to avoid injury thereto.

12-814 Radii of Bends

(1) The radius of the curve on the inner edge of bends made on mineral-insulated cable shall be not less than six times the external diameter of the sheath and shall be made so as not to damage the outer sheath.

(2) The radius of the curve on the inner edge of bends made on aluminum-sheathed cable shall be not less than:

- (a) Ten times the external diameter of the sheath for cable not more than ¾ inch in external diameter;

(b) Twelve times the external diameter of the sheath for cable more than ¾ inch but not more than 1½ inches in external diameter; and

(c) Fifteen times the external diameter of the sheath for cable more than 1½ inches in external diameter.

12-816 Termination of Mineral-Insulated Cable. At all points where mineral-insulated cable terminates:

- (a) The end of the cable shall be sealed immediately after stripping to prevent entrance of moisture to the insulation;
- (b) Each conductor extended beyond the sheath shall be provided with the proper insulation; and
- (c) Box connectors used with mineral-insulated cable shall be of types approved specifically for use with this cable.

12-818 Connection to Other Forms of Wiring. Where mineral-insulated or aluminum-sheathed cable is connected to other forms of wiring, the junction shall be made in a box, or at, or in, a fitting having a separately bushed hole for each conductor.

Flat Conductor Cable Type FCC

12-900 Flat Conductor Cable Rules. Rules 12-900 to 12-924 apply only to the installation of flat conductor cable Type FCC systems.

12-902 Special Terminology. In this Subsection, the following definitions apply:

- (a) "Bottom shield" means a plastic non-abrasive shield for use between the FCC cable and the floor to provide protection against physical damage, the bottom shield in some cases is incorporated with or supplied attached to the FCC cable;
- (b) "FCC cable" means a cable consisting of 3, 4, or 5 insulated flat conductors;
- (c) "FCC connector" means a connector intended to join FCC cables or top shields without using a junction box;
- (d) "Insulated end" means an insulator intended to electrically insulate the end of a FCC cable;
- (e) "Steel tape" means a steel overlay to prevent physical damage to the FCC cable and components;
- (f) "Top shield" means a grounded metal shield used for covering the components of the FCC system which are located under the carpet squares;
- (g) "Transition assembly" means an assembly specifically approved for the purpose of con-

necting Type FCC systems to other types of wiring systems;

- (h) "Type FCC system" means a complete wiring system for installation only under carpet squares and includes cable and associated fittings;
- (i) "Carpet square" means a rectangular piece of carpeting with any side not exceeding 750 millimetres in length.

12-904 Use Permitted. Type FCC system shall be permitted to be used:

- (a) For the extension of general purpose and appliance branch circuits;
- (b) On hard, smooth, continuous floor surfaces made of concrete, ceramic or composition flooring, wood or similar materials;
- (c) In dry or damp locations; and
- (d) On floors heated in excess of 30°C where the FCC system is approved and marked for the purpose.

12-906 Use Prohibited. Type FCC system shall not be used:

- (a) Outdoors or in wet locations;
- (b) Where subject to corrosive vapours or liquids;
- (c) In any hazardous location;
- (d) In residential buildings;
- (e) In schools, hospitals or institutional buildings except in office areas;
- (f) On walls except where entering transition assemblies;
- (g) Under permanent type partitions or walls;
- (h) In a circuit where the voltage exceeds 150 volts to ground or 300 volts between any two conductors; or
- (i) For branch circuits where the current carrying ampacity exceeds 30 amperes.

12-908 Floor Covering. Floor mounted FCC cable with associated steel tape, top shield FCC cable connections, and insulating ends shall be covered with carpet squares and any adhesive used shall be of the release type.

12-910 Connections and Terminations

(1) All FCC cable connections shall be installed so that electrical continuity, insulation and sealing against dampness and liquid spillage are provided.

(2) All bare ends shall be insulated and sealed by the use of insulating ends.

12-912 Shields

(1) A bottom shield shall be installed immediately beneath the Type FCC cable system.

(2) A top shield shall be installed over the FCC cable system.

12-914 Enclosure and Shield Continuity. All top shields, boxes, receptacle housings and self contained devices shall be electrically continuous and bonded to the branch circuit equipment grounding conductor.

12-916 Connection to Other Systems. Power feed connections, grounding or bonding connections and shield system connections between the FCC system and other wiring systems shall be accomplished in a transition assembly intended for surface or recessed mounting.

12-918 Anchoring. Type FCC system components shall be firmly secured to floors or walls by means of an adhesive or other acceptable means.

12-920 Crossings. A FCC cable run shall be permitted to cross over or under another FCC cable run, or communication flat cable provided there is a grounded metal shield between each of the cables at the point of crossing.

12-922 Mechanical Protection

(1) All FCC systems installed under carpet squares shall be protected from physical damage by a steel tape or steel top shield completely covering the FCC cable and connections.

(2) Where surface or recessed wall mounting of the FCC cable is required to enter transition assemblies, additional mechanical protection shall be provided to prevent damage from items such as nails and screws.

12-924 System Height. Except as permitted by Rule 12-920, stacked runs of FCC cable shall not be permitted.

RACEWAYS

General

12-1000 Raceway Rules. Rules 12-1002 to 12-1038 apply to raceways and to conductors run in raceways.

12-1002 Types of Conductors. Conductors shall be of types suitable for use in raceways as indicated in Table 19.

12-1004 Conductors in Raceways

(1) Where conductors are placed in metallic raceways, all conductors of a circuit shall be contained in the same raceway, or in the same channel of a multiple

channel raceway, except that where it is necessary to run conductors in parallel due to the capacity of an alternating-current circuit additional enclosures may be used, provided:

- (a) The conductors are installed in accordance with Rule 12-108 (1);
- (b) Each enclosure includes an equal number of conductors from each phase and the neutral; and
- (c) Each enclosure or cable sheath is of the same material and has the same physical characteristics.

(2) No raceway or compartment of a multiple channel raceway shall contain conductors which are connected to different power or distribution transformers or other different sources of voltage except where the conductors:

- (a) Are separated by a barrier of sheet steel not less than 0.0528 inch (No. 16 MSG) thick or a flame-retardant non-metallic insulating material not less than 1.5 millimetres in thickness; or
- (b) Are used for the supply and/or control of remote devices and are insulated for at least the same voltage as that of the circuit having the highest voltage and none of the conductors of the circuits of lower voltages is directly connected to a lighting branch circuit.

12-1006 Protection of Conductors at Ends of Raceways

(1) Bushings or equivalent means shall be used to protect conductors from abrasion where they issue from raceways.

(2) Where conductors are No. 8 AWG or larger copper or aluminum the protection shall consist of:

- (a) Insulated type bushings, unless the equipment is equipped with a hub having a smoothly rounded throat; or
- (b) Insulating material fastened securely in place which will separate the conductors from the raceway fittings and afford adequate resistance to mechanical injury.

12-1008 Inserting Conductors in Raceways

(1) Cleaning agents or lubricants of an electrical conducting nature or that might have a deleterious effect on conductor coverings shall not be used when inserting conductors in raceways.

(2) Lubricants used when inserting conductors in raceways shall be either talc or soapstone or an approved compound.

12-1010 Joints or Splices Within Raceways. There shall be no joints or splices in conductors or cables within raceways, except in the case of busways, wireways, and cabletroughs.

12-1012 Stranding of Conductors. Except in the case of conductors used as bus bars and mineral-

insulated cables, single or multiple conductor cables No. 8 AWG or larger, when installed in raceways, shall be stranded.

12-1014 Electrical Continuity of Raceways. Metal raceways shall be electrically continuous throughout and electrically secured to all equipment to which they are attached.

12-1016 Mechanical Continuity of Raceways. Raceways shall be mechanically continuous throughout and mechanically secured to all equipment to which they are attached.

12-1018 Support of Raceways. Raceways shall be supported independently of equipment forming part of the raceway system.

12-1020 Removal of Fins and Burrs of Raceways. Fins and burrs shall be removed from the ends of raceways.

12-1022 Radii of Bends in Raceways

(1) Where raceways of the type into which conductors are drawn, are bent during installation, the radius of the curve of the inner edge of the bends shall be at least 6 times the internal diameter of the raceway except that the radius shall be increased to 10 times where lead-sheathed cable or varnished-cambric-insulated conductors are used.

(2) Bends shall be made without undue distortion of the raceways and without injury to its inner or outer surfaces.

12-1024 Junction of Open Wiring and Raceways. Where conductors connected to open wiring issue from ends of raceways, they shall be protected with approved boxes or with fittings having a separately bushed hole for each conductor.

12-1026 Entry of Underground Conduits into Buildings. Where a conduit enters a building from an underground distribution system, the end of the conduit within the building shall be sealed with a suitable compound to prevent the entrance of moisture and gases.

12-1028 Raceways Installed Underground or Where Moisture May Accumulate

(1) The requirements for Category 1 locations as specified in Section 22 shall be complied with where raceways are installed:

- (a) Underground;
- (b) In concrete slabs or other masonry in direct contact with moist earth; or
- (c) In other locations where the conductors are subject to moisture.

(2) Where lead-sheathed conductors are used in such locations, a pothead or equivalent device shall be used to protect them from moisture and mechanical injury at their point of issue from the lead sheathing.

(3) Where raceways are installed underground they shall be buried to a depth of not less than 450 milli-

metres or, if in an area subject to vehicular traffic, to a depth of not less than 600 millimetres unless rock bottom is encountered at a lesser depth, in which case the raceway shall be entrenched into the rock in a trench not less than 150 millimetres deep and grouted with concrete to the level of the rock surface.

12-1030 Metal Raceways in Plaster. In buildings of fire-resisting construction where circuits run in metal raceways have conductors not larger than No. 10 AWG copper or aluminum, the circuits may be laid on the face of the masonry or other material of which the walls and ceiling are constructed and may be buried in the plaster finish.

12-1032 Protection for Raceways in Lanes. If subject to mechanical injury and unless otherwise protected, acceptable steel guards of not less than No. 10 MSG, adequately secured, must be installed to protect raceways less than 2 metres above grade in lanes and driveways.

12-1034 Non-metallic Raceways. Non-metallic raceways shall be flame retardant unless embedded or encased in earth or by at least 50 millimetres of concrete.

12-1036 Raceways Installed in Concrete, Cinder Concrete, and Cinder Fill

(1) Raceways made wholly or in part of aluminum shall not be embedded in concrete containing reinforcing steel unless:

- (a) The concrete is known to contain no chloride additives; or
- (b) The raceway has been treated with an approved bituminous base paint or other approved means to prevent galvanic corrosion of the aluminum.

(2) Where metal raceways are laid in or under cinders or cinder concrete, they shall be protected from corrosive action by a grouting of non-cinder concrete at least 25 millimetres thick entirely surrounding them unless they are 450 millimetres or more under the cinders or cinder concrete.

12-1038 Raceway Completely Installed Before Conductors are Installed

(1) Raceways shall be installed as a complete system before the conductors or cables are installed in them.

(2) Conductors or cables shall not be drawn into or laid in raceways in a building under construction until the raceway fittings and conductors are reasonably safe from damage due to construction operations.

12-1040 Capping of Unused Raceways. Spare or unused raceways that terminate in enclosures shall be capped.

Rigid and Flexible Conduit

12-1100 Rigid and Flexible Conduit Rules. Rules 12-1102 to 12-1116 apply only to the installation of rigid and flexible conduit.

12-1102 Use.

(1) Rigid and flexible conduit may be installed in or on buildings or portions of buildings of either combustible or other than combustible types of construction.

(2) Rigid metal conduit used in damp or wet locations shall be threaded and the joints and fittings shall be made watertight.

(3) Rigid metallic conduit shall not be directly buried in the earth or installed in concrete or masonry slabs in contact with the earth unless a separate grounding conductor is installed therein.

12-1104 Minimum Size of Conduits. No conduits having an internal diameter of less than 1/2 inch, electrical trade size, shall be used except that:

- (a) 7/16 inch and 3/8 inch flexible conduit may be used for runs of not more than 1.5 metres for the connection of equipment; and
- (b) 3/8 inch liquid-tight flexible metal conduit may be used as permitted by this Code.

12-1106 Conduit Threads

(1) Rigid conduit threads, either external or internal, shall be tapered.

(2) External threads shall comply with Table 40.

(3) Running threads shall not be permitted.

(4) Notwithstanding Subrule (3), where rigid metal conduit protrudes through the enclosure wall and there are not sufficient threads to accommodate a bushing per Rule 12-1006(1) additional threading shall be permitted on the conduit as a continuation of the tapered thread beyond those dimensions specified in Table 40.

12-1108 Thread Engagement. The wall thickness of boxes to be drilled and tapped in the field shall be sufficient to ensure thread engagement of at least three complete threads.

12-1110 Maximum Number of Bends in Conduit. A run of conduit between outlets or between draw-in points shall not contain more than the equivalent of 4 quarter-bends.

12-1112 Maximum Spacing of Conduit Supports

(1) All rigid metal conduit of one size shall be securely attached to hangers or to a solid surface with the maximum spacings of the points of support not greater than:

- (a) 1.5 metres for 1/2 and 3/4-inch conduit;
- (b) 2 metres for 1 and 1 1/4-inch conduit;
- (c) 3 metres for 1 1/2-inch conduit and larger.

(2) Where rigid metal conduits of mixed sizes are run in a group, the conduit supports shall be so arranged that the maximum support spacing will be that shown in Subrule (1) for the smallest conduit.

(3) Where flexible metal conduit is installed, it shall be secured by approved means at intervals not exceeding 1.5 metres and within 300 millimetres on each side of every outlet box or fitting, except where flexible conduit is fished and except for lengths of not over 900 millimetres at terminals where flexibility is necessary.

12-1114 Expansion and Contraction of Conduits

(1) In locations subject to extreme temperature changes, provision shall be made for expansion and contraction in long runs of rigid conduit in the form of:

- (a) Approved expansion joints; or
- (b) In the case of the surface-mounted rigid metal conduit only, two ninety-degree bends in the conduit run.

(2) If expansion joints are used with metal raceways, bonding jumpers shall be provided in accordance with Rule 10-614.

12-1116 Conductors in Conduit

(1) Conduits shall be of sufficient size to permit the conductors to be drawn in and withdrawn without injury to the conductors.

(2) Subrules (3), (4), and (5) refer only to complete systems and not to short sections of conduit used for the protection of portions of open wiring which would otherwise be exposed to mechanical injury.

(3) The maximum number of conductors in one conduit shall not exceed 200.

(4) The maximum number of conductors or multi-conductor cables in one conduit shall be such that the conductors or cables and their coverings will not result in a greater conduit fill than that specified in Table 8, and in this determination:

- (a) The interior cross-sectional area for various sizes of conduit shall be those specified in Table 9;
- (b) The diameter and cross-sectional area for insulated conductors not exceeding 600 volts shall, for the types listed in Table 10, be those specified in Table 10, as applicable;
- (c) The diameter and cross-sectional area for insulated conductors (other than lead-sheathed cable) not exceeding 600 volts shall, for types not listed in Table 10, be as specified in Columns 2 and 3 of Table 10;
- (d) The diameter and cross-sectional area for insulated conductors rated over 600 volts shall:
 - (i) If larger, for a given size, than the corresponding value given in Columns 2 and 3 of Table 10, be the nominal outside diameter of the conductor including its coverings and its equivalent area; and

- (ii) If smaller, be in accordance with Paragraph (b) or (c), as applicable;

(e) The diameter and cross-sectional area for bare conductors shall be as specified in Columns 4 and 5 of Table 10;

(f) The diameter and cross-sectional area for multi-conductor cables including lead-sheathed cables shall be overall diameter and its equivalent area, or the diameter and area of the equivalent round construction based on its maximum dimensions.

(5) The maximum number of conductors of the same size in one conduit, based on the requirements of Subrule (4) shall not exceed that shown as follows:

- (a) In Table 6 for single conductors (other than lead-sheathed);
- (b) In Table 7 for lead-sheathed conductors or cables.

Rigid PVC (Unplasticized) Conduit

12-1200 Use

(1) Rigid PVC conduit may be used for exposed and concealed work above and below ground in accordance with the rules for threaded rigid metal conduit subject to the provisions of Rules 12-1202 to 12-1220.

(2) Rigid PVC conduit may be used in cinders or cinder concrete without the grouting referred to in Rule 12-1036 being required.

12-1202 Restrictions on Use. Rigid PVC conduit shall not be used:

- (a) In hazardous locations as covered by Section 18;
- (b) With wiring for exit and fire escape lights;
- (c) Where passing through fire separations in buildings of fire-resisting construction unless the conduit is located in an enclosure with a fire-resistance rating equal to or greater than that of the fire separation pierced; or
- (d) Where enclosed in thermal insulation.

12-1204 Temperature Limitations

(1) Rigid PVC conduit shall not be used where normal conditions are such that any part of the conduit is subjected to a temperature in excess of 75°C.

(2) Subrule (1) shall not prevent the use of insulated conductors having temperature ratings in excess of 75°C but such conductors shall not have ampacities exceeding those of 90°C conductors, regardless of their temperature rating.

12-1206 Mechanical Protection. Rigid PVC conduit shall be protected where exposed to mechanical injury either during installation or afterwards.

12-1208 Field Bends

- (1) Rigid PVC conduit may be bent in the field provided bending equipment specifically intended for the purpose is used.
- (2) The minimum bending radius shall comply with Rule 12-1022.

12-1210 Fittings

- (1) Rigid PVC conduit including elbows and bends shall not be threaded but shall be used with approved adapters and couplings which shall be applied in an acceptable manner with approved solvent cement.
- (2) Male threaded terminations shall not be used except in unthreaded openings in the wall of an enclosure using a suitable conduit locknut.
- (3) Female threaded PVC adapters shall be used together with a metallic conduit nipple to terminate at threaded conduit entries in metallic enclosures.

12-1212 Maximum Spacing of Conduit Supports

- (1) All rigid PVC conduit of one size shall be securely attached to hangers or to a solid surface with the maximum spacing of the points of supports not greater than:
 - (a) 750 millimetres for ½, ¾, and 1-inch conduit;
 - (b) 1.2 metres for 1¼ and 1½-inch conduit;
 - (c) 1.5 metres for 2-inch conduit;
 - (d) 1.8 metres for 2½ and 3-inch conduit;
 - (e) 2.1 metres for 3½, 4, and 5-inch conduit; and
 - (f) 2.5 metres for 6-inch conduit.
- (2) Where conduits of mixed sizes are run in a group, the conduit supports shall be arranged so that the maximum support spacing will be that shown in Subrule (1) for the smallest conduit.
- (3) Except where encased or embedded in at least 50 millimetres of masonry or poured concrete, rigid PVC conduit shall not be clamped tightly but shall be supported in such a manner as to permit adequate lineal movement to allow for expansion and contraction of the conduit due to temperature change.

12-1214 Support of Equipment. Rigid PVC conduit shall not be used to support fixtures or other equipment except as permitted by Rule 12-3016 (2).

12-1216 Expansion Joints. Unless the conduit is grouted in concrete, at least one expansion joint shall be installed in any conduit run where the expansion of the conduit due to the maximum probable temperature change during and after installation will exceed 45 millimetres.

12-1218 Maximum Number of Conductors. The maximum number of conductors in rigid PVC conduit shall be determined as for conduit in accordance with Rule 12-1116.

12-1220 Grounding Continuity. A separate grounding conductor shall be installed in rigid PVC conduit in compliance with Rule 10-404.

Rigid Types I and II Non-Metallic Bituminized-Fibre and Asbestos-Cement Conduits

12-1300 Scope. Rules 12-1302 to 12-1314 apply to the installation of rigid non-metallic conduits, Types I and II made of bituminized-fibre or asbestos-cement.

12-1302 Use Permitted. Types I and II rigid non-metallic conduit and fittings approved for the purpose may be used:

- (a) For installation underground in accordance with Rule 12-012 for raceways, except that Type I conduit shall be laid with its entire length encased or embedded in at least 50 millimetres of masonry or poured concrete; or
- (b) In walls, floors, and ceilings where encased or embedded in at least 50 millimetres of masonry or poured concrete.

12-1304 Use Prohibited. Types I and II rigid non-metallic conduit shall not be used:

- (a) Above ground except as permitted by paragraph (b) of Rule 12-1302;
- (b) Where subject to physical damage; or
- (c) In hazardous locations as covered by Section 18.

12-1306 Method of Installation

- (1) All cut edges shall be trimmed inside and outside to remove rough edges.
- (2) Types I and II rigid non-metallic conduit including elbows and bends shall not be threaded but shall be used with approved adapters and couplings.
- (3) All joints between the conduit and couplings, fittings and boxes shall be made by a method and with tools specified for the purpose.
- (4) Types I and II rigid non-metallic conduit shall be secured mechanically to prevent disturbance of the alignment during construction.

12-1308 Split Straight Conduit. In existing underground or concrete embedded installations only, raceways may be formed using split straight conduit, provided that:

- (a) Both halves of each conduit length are properly matched and clamped together to form a close-fitting concrete-tight joint;
- (b) Each length of conduit is tightly clamped at each end with additional clamps spaced not more than 900 millimetres apart; and
- (c) Clamps made of stainless steel or other corrosion-resistant material acceptable to the inspection department are used when not embedded in concrete.

12-1310 Maximum Number of Conductors. The maximum number of conductors in Types I and II rigid non-metallic conduit shall be determined as for conduit in accordance with Rule 12-1116.

12-1312 Temperature Limitations

(1) Rigid Types I and II non-metallic bituminized-fibre conduit shall not be used where normal conditions are such that any part of the conduit is subjected to a temperature in excess of 80°C unless the conduit is marked to indicate it has a finish suitable for a maximum temperature of 110°C.

(2) Subrule (1) shall not prevent the use of insulated conductors having temperature ratings in excess of 80°C, but such conductors shall not have ampacities exceeding those of 90°C conductors regardless of their temperature rating.

12-1314 Corrosion Protection for Cables Installed in Asbestos-Cement Conduit. Metallic materials used as concentric neutrals, sheaths, or armour on cables installed in asbestos-cement conduit shall be protected against corrosion by the application of an acceptable non-metallic covering.

Liquid-Tight Flexible Metal Conduit

12-1400 Use of Liquid-Tight Flexible Metal Conduit

(1) Liquid-tight flexible metal conduit may be used where a flexible connection is required in dry, damp or wet locations and where permitted by other Sections of this Code.

(2) Liquid-tight flexible metal conduit shall not be used:

- (a) Where subject to mechanical injury;
- (b) As a general-purpose raceway;
- (c) In lengths greater than that essential for the degree of flexibility required;
- (d) Where exposed to gasoline or similar light petroleum solvents, or corrosive liquids or vapours having an injurious effect on the thermoplastic jacket;
- (e) Under conditions such that the jacket temperature will exceed 60°C, or any other higher temperature for which the jacket is approved and so marked;
- (f) Where flexing at low temperatures may cause injury to the jacket.

(3) For runs of not more than 1.5 metres for the connection of equipment $\frac{3}{8}$ -inch liquid-tight flexible metal conduit may be used.

12-1402 Size of, and Conductors for, Liquid-Tight Flexible Metal Conduit

(1) The maximum size of liquid-tight flexible metal conduit shall not exceed 4-inch electrical trade size.

(2) A separate grounding conductor shall be installed in accordance with the rules of Section 10 in liquid-tight flexible metal conduit.

(3) Conductors need not be lead-sheathed but shall be of the moisture-resistant types when used in Category 1 locations as covered by Section 22.

(4) The maximum per cent fill shall be in accordance with Rule 12-1116 and for this purpose the cross-sectional area of the $\frac{3}{8}$ -inch trade size shall be considered as 0.184 square inches.

Electrical Metallic Tubing

12-1500 Electrical Metallic Tubing Rules. Rules 12-1500 to 12-1514 apply only to electrical metallic tubing.

12-1502 Use

(1) Electrical metallic tubing may be used for exposed and concealed work except that it shall not be used:

- (a) Where it shall be subject to mechanical injury either during installation or afterwards;
- (b) In any hazardous location;
- (c) Where exposed to corrosive vapour except as permitted by Rule 2-112;
- (d) For direct earth burial;
- (e) In wet locations;
- (f) In concrete or masonry slabs in contact with the earth, unless a separate grounding conductor is installed in the tubing.

(2) Electrical metallic tubing may be installed in or on buildings or portions of buildings of either combustible or other than combustible types of construction.

12-1504 Supports. Electrical metallic tubing shall be installed as a complete system and shall be securely fastened in place within 1 metre of each outlet box, junction box, cabinet, coupling or fitting, and the spacing between supports shall be in accordance with those given in Rule 12-1112.

12-1506 Minimum Tubing Size. The tubing shall have an internal diameter of not less than $\frac{1}{2}$ inch electrical trade size.

12-1508 Maximum Number of Conductors. A tube shall not contain more conductors of a given size than are specified in Rule 12-1116.

12-1510 Connections and Couplings. Where lengths of electrical metallic tubing are coupled together or connected to boxes, fittings or cabinets, fittings approved for the purpose shall be used, and:

- (a) Shall be of the concrete-tight type for installation in poured concrete or in masonry block walls in which cores are filled with concrete or grout;

- (b) May be of any approved type for installation in ordinary locations, or buried in plaster or masonry block walls; and
- (c) Shall be of the rain-tight type for installations exposed to the weather.

12-1512 Radii of Bends in Tubing

(1) Bends in the tubing shall be made so as not to injure the tubing or reduce its internal diameter.

(2) Where conductors which are not lead-sheathed are used, the radius of the curve of the inner edge of bends made during installation shall be at least 6 times the internal diameter of the tubing.

(3) Where lead-sheathed conductors are used, the radius of the curve of the inner edge of bends made during installation shall be at least 10 times the internal diameter of the tubing.

12-1514 Number of Bends in Tubing. Where the tubing is run between outlets or fittings, or between outlets and fittings, the run shall not contain more than the equivalent of 4 quarter-bends including the bends located at an outlet or fitting.

Surface Raceways

12-1600 Use

(1) Surface raceways shall be installed only in dry locations.

(2) Metallic surface raceways less than 0.0309 inch thick and non-metallic surface raceways shall be used only as extensions to wiring systems where:

(a) The voltage between conductors contained therein is not in excess of 300 volts; and

(b) The voltage-to-ground is not in excess of 150 volts.

(3) Surface raceways shall not be used:

(a) Where concealed; or

(b) Where subject to severe physical damage unless approved for the purpose.

(4) Surface raceways shall not be used for:

(a) Conductors larger than No. 6 AWG copper or aluminum;

(b) A greater number of conductors than that for which they are approved;

(c) More than 10 conductors; or

(d) Support of fixtures.

(5) Non-metallic surface raceways shall not be used under either of the following conditions:

(a) Where the ambient temperature exceeds 50°C; or

(b) With conductors having insulation exceeding 75°C unless conductor ampacity is derated to that of a 75°C conductor.

12-1602 Supports. The backing of a surface raceway shall be secured in position in such a manner that the fastening means will not damage conductor insulation.

12-1604 Grounding. A separate grounding conductor shall be installed in non-metallic surface raceways in compliance with Rule 10-404.

12-1606 Surface Raceways through Walls and Floors

(1) Metallic surface raceways may be extended through walls, partitions, and floors in dry locations only, and shall be in unbroken lengths where passing through.

(2) Non-metallic surface raceways shall be so installed as to not pass through a floor, partition, or wall, although, where necessary, exposed sections may be interconnected by other approved wiring methods.

12-1608 Flat Cable Systems

(1) Flat cables approved for the purpose and consisting of parallel conductors and side wings formed with integral insulation specifically designed for field installation in metallic surface raceways shall:

(a) Be used only in branch circuits with metallic surface raceways for which they are approved;

(b) Be used with tap fittings approved for use with the cable and the raceway; and

(c) Have each dead-end terminated in an end-cap device approved for the purpose.

(2) Metallic surface raceways when used with flat cables shall be used in horizontal runs only with the conductors uppermost in the raceway.

(3) Metallic surface raceways when used with flat cables may have covers on the underside omitted when installed out-of-reach.

Underfloor Raceways

12-1700 Where Underfloor Raceways Are Permitted

(1) Underfloor raceways may be installed under the surface of concrete or other flooring material, but not below the floor.

(2) Underfloor raceways shall not be used:

(a) Where they will be exposed to corrosive vapours;

(b) In a hazardous location;

(c) In commercial garages;

(d) In storage-battery rooms; or

- (e) On the underside of the floor.

12-1702 Method of Installing Underfloor Raceways

(1) Underfloor raceways shall be installed in accordance with the manufacturer's instructions in addition to the other requirements of this Rule.

(2) Underfloor raceways shall be laid so that their centre-line coincides with a straight line drawn between the centres of successive junction boxes.

(3) The raceways shall be mechanically secured to prevent disturbance of the alignment during construction.

(4) The joints along the edges of the raceways and between the raceways, couplings, and junction boxes; and between the junction box cover-plates and cover-rings shall be filled with an approved waterproof cement.

(5) The raceways shall be arranged so there are no low points or traps at the fittings or in the raceway run and crossings shall be avoided where possible.

12-1704 Fittings for Underfloor Raceways

(1) Where underfloor raceways are run at other than right angles, special fittings shall be provided if required by an inspector.

(2) The raceways shall be connected to distribution centres and wall outlets by conduit or approved fittings.

(3) Dead-ends of the raceways shall terminate in junction boxes or other approved fittings.

12-1706 Taps and Splices in Underfloor Raceways. Taps and splices in underfloor raceways shall be made only in header access units or in junction boxes.

12-1708 Inserts and Junction Boxes for Underfloor Raceways

(1) Inserts and outlets in underfloor raceways shall be made electrically and mechanically secure.

(2) Inserts other than the preset type shall be attached to the raceways and where they are not made mechanically secure by being grouted in separately, they shall not be set until the floor is laid.

(3) Inserts and junction boxes shall be levelled to the grade of the floor and sealed with water-tight plugs.

12-1710 Setting of Inserts. When setting inserts or cutting through the walls of underfloor raceways, adequate precautions shall be taken to prevent chips and dirt from falling into the raceway, and special tools designed for the purpose and for preventing the tools from entering the raceway and injuring the conductors shall be used.

12-1712 Discontinued Outlets in Underfloor Raceways. Where an outlet in an underfloor race-

way is discontinued, the conductors supplying the outlet shall be removed from the underfloor raceway.

12-1714 Area of Conductors in Underfloor Raceways

(1) The aggregate cross-sectional area of the conductors and their insulation in an underfloor raceway shall not exceed 40 per cent of the interior cross-sectional area of the raceway.

(2) Subrule (1) shall not apply where the raceway contains only mineral-insulated cable, aluminum-sheathed cable, armoured cable, or non-metallic sheathed cable.

(3) The cross-sectional areas for conductors in Subrule (1) shall be determined in accordance with Rule 12-1116 (3) and (4).

12-1716 Underfloor Raceway Junction Boxes. Junction boxes shall not be used as outlet boxes in underfloor raceways.

12-1718 Inserts in Post- and Pre-stressed Concrete Floors

(1) Where underfloor distribution raceways are used with post-stressed or pre-stressed poured-in-place floors they shall be supplied with preset inserts.

(2) After-set inserts or after-set access units shall not be placed into such a system unless approved by the structural engineer.

Cellular Floors

12-1800 Installation. Cellular floors shall be installed in accordance with the manufacturer's instructions.

12-1802 Conductors in Cellular Floors

(1) Conductors shall not be installed in a cellular floor raceway:

- (a) Where they will be exposed to corrosive vapours;
- (b) In a hazardous location;
- (c) In commercial garages; or
- (d) In storage-battery rooms.

(2) Conductors shall not be installed in any cell or header which contains a pipe for steam, water, air, gas, drainage, or other non-electrical service.

(3) Where the cell or header contains such non-electrical services, the cell or header shall be sealed, where practicable, in a manner satisfactory to the inspection department.

(4) All conductors of a circuit shall be contained in the same cell of a cellular floor and except as permitted by Rule 12-3036, the circuits of different systems shall not be contained therein.

12-1804 Maximum Conductor Size in Cellular Floors. No conductor larger than No. 0 AWG copper or aluminum shall be installed in a cellular floor unless special permission is obtained.

12-1806 Cross-Sectional Area of Cellular Floors

(1) Where a cellular floor contains other than mineral-insulated cable, aluminum-sheathed cable, armoured cable, or non-metallic sheathed cable, the aggregate cross-sectional area of the conductors in the raceway shall not exceed 40 per cent of the interior area of the header feeding the individual cells.

(2) The cross-sectional areas, for conductors in Sub-rule (1) shall be determined in accordance with Rule 12-1116 (3) and (4).

12-1808 Taps and Splices in Cellular Floors. Splices and taps in cellular floors shall be made only in header access-units or in junction boxes.

12-1810 Cellular Floor Markers. Where cellular floors are used, a suitable number of markers shall be installed for the future location of cells and for a system identification, and the markers shall extend through the floor.

12-1812 Cellular Floor Junction Boxes

(1) Junction boxes used in cellular floors shall be levelled to floor grade and sealed against the entrance of water.

(2) The junction boxes shall be constructed of metal and shall be electrically continuous with the headers.

(3) Electrical continuity of cellular metal-floor raceway sections shall be obtained by spot welding or other equivalent means.

(4) Spot welding shall be done in open spaces between cells and not to the cell walls.

12-1814 Grounding and Bonding

(1) A separate grounding conductor shall be installed in electrical cells and headers and shall be sized in accordance with Table 16.

(2) Metallic headers, cells and fittings shall be bonded in accordance with Rule 10-500.

12-1816 Cellular Floor Inserts

(1) Inserts in cellular floors shall be levelled to floor grade and sealed against entrance of water.

(2) Inserts shall be made of metal and shall be electrically continuous with the cellular metal-floor members.

(3) When setting inserts or cutting through cell walls adequate precautions shall be taken to prevent chips and dirt from falling into the cell and for preventing tools from entering the cells and injuring the conductors therein.

12-1818 Cellular Floor Extensions. Connections from cellular floors to cabinets and extensions from cells to outlets shall be made by means of rigid conduit, flexible conduit, or fittings approved for the purpose.

12-1820 Cellular Floor Discontinued Outlets. Where an outlet is discontinued the conductors supplying the outlet shall be removed from the cellular floor.

Auxiliary Gutters

12-1900 Where Auxiliary Gutters are Used to Supplement Wiring Spaces

(1) Where auxiliary gutters are used to supplement wiring spaces at meter centres, distribution centres, switchboards, and similar points in interior-wiring systems, the gutters may enclose conductors and cables but they shall not be used to enclose bus bars, switches, overcurrent devices, or other appliances or apparatus.

(2) The auxiliary gutters shall not extend more than 6 metres beyond the equipment which they supplement, and thereafter the conductors may be contained in approved wireways or busways.

12-1902 Auxiliary Gutter Supports. Auxiliary gutters shall be securely supported throughout their entire length at intervals of not more than 1.5 metres unless the gutter is plainly marked to indicate a greater distance.

12-1904 Auxiliary Gutter Cross-Sectional Area

(1) The aggregate cross-sectional area of the conductors and their insulation at a cross-section of an auxiliary gutter shall not exceed 20 per cent of the cross-sectional area of the gutter at that point.

(2) A single compartment of an auxiliary gutter shall not contain more than 200 conductors at a cross-section.

(3) The cross-sectional areas for conductors in Sub-rule (1) shall be determined in accordance with Rule 12-1116 (4).

Busways and Splitters

12-2000 Use

(1) Busways and splitters may be used only for exposed work except as permitted in Subrules (5) and (6) of this Rule.

(2) Busways and splitters shall not be installed outdoors or in wet or damp locations, unless specifically approved for use in such locations.

(3) Busways, splitters and fittings shall not be placed:

- (a) Where subject to mechanical injury;
- (b) Where subject to corrosive vapours;
- (c) In hoistways;

(d) In hazardous locations; or

(e) In storage-battery rooms.

(4) Busways may be used as risers in buildings of fire-resisting construction when provided with acceptable fire stops.

(5) Busways may be installed in false ceiling spaces by special permission providing that:

(a) Ventilation is adequate to prevent development of ambient temperatures in excess of 30°C, otherwise the rating of the busway shall be reduced to 82, 71, and 58 per cent for ambients of 40°C, 45°C, or 50°C respectively, but in no case shall the ambient be higher than 50°C;

(b) Any take-off devices located in the false ceiling do not contain overcurrent protection;

(c) Adequate working space exists between the busway and other services or structural parts;

(d) The busway is of the totally-enclosed type except that ventilated type may be used provided that, in addition:

(i) The bus bars are insulated for their full length, including joints between sections, unless provision is made which effectively fully encloses the bare bus bars;

(ii) The false ceiling is not combustible; and

(iii) No combustible material is located within 150 millimetres of the busway;

(e) If installed in areas used for the building ventilation system, the busway is of the totally-enclosed type.

(6) Splitters may be installed flush in a wall provided they are accessible by removable covers.

12-2002 Extensions from Busways and Splitters.

Rigid conduit, flexible conduit, surface raceways, cabletroughs, electrical metallic tubing, armoured cable, metal-sheathed conductors or cable, or, where necessary, acceptable cord assemblies approved for hard usage, shall be used in extensions from busways and splitters and shall be connected to the busway or splitter in a manner appropriate to the material used in accordance with Rule 12-3028.

12-2004 AC Circuits in Busways and Splitters.

Where alternating current is used, all conductors of a circuit shall be placed within the same busway, splitter or section thereof, if the latter is made of magnetic material.

12-2006 Busway and Splitter Supports

(1) Busways and splitters installed horizontally shall be securely supported at intervals of not more than 5 feet unless they are plainly marked to indicate they may be supported at greater distances.

(2) Busways installed vertically shall be marked as being suitable for vertical installation, and shall be supported at intervals of not more than 10 feet.

(3) Busways shall be so installed that supports and joints are accessible for maintenance purposes after installation.

(4) Splitters shall be securely supported at intervals of not more than 5 feet unless they are plainly marked to include a greater distance.

12-2008 Method of Installation of Busways

(1) Where busways extend transversely through dry walls or partitions, they shall pass through the walls or partitions in unbroken lengths and shall be totally enclosed where passing through walls or partitions constructed of combustible materials or masonry walls containing voids at the point where the busway passes through.

(2) Busways may extend vertically through floors in dry locations if they are:

(a) Totally enclosed where passing through the floor and for the first 300 millimetres above the floor; and

(b) Provided with acceptable fire stops.

(3) Busways shall be provided with adequate protection against mechanical injury and personal contact with live parts for a distance of 2 metres above any floor in an area accessible to other than qualified persons.

(4) Dead ends of busways shall be closed by approved fittings.

(5) Busways installed outdoors or in parking areas and which are accessible to other than authorized persons shall be of the totally enclosed type.

12-2010 Plug-In Devices for Busways. When busways supply machine tools, a switch need not be furnished on the machine tool if:

(a) A plug-in device having a horsepower rating is used; and

(b) The means of operating the plug-in device is readily within reach of the operator.

12-2012 Reduction in Size of Busways. Overcurrent protection may be omitted at points where busways are reduced in size, provided that the smaller busway:

(a) Does not extend more than 15 metres;

(b) Has a current rating at least equal to one-third the rating or setting of the overcurrent devices next back on the line;

(c) Is free from contact with combustible material; and

- (d) Has an ampacity adequate for the intended load.

12-2014 Length of Busways Used as Branch Circuits

(1) Busways which are used as branch circuits, and which are designed so that loads can be connected at any point, shall be limited to such lengths as will provide that in normal use the circuits will not be overloaded.

(2) In general, the length of such run in feet should not exceed 3 times the ampere rating of the branch circuit.

12-2016 Manufacturer's Identification on Busways and Splitters. Busways and splitters shall be marked so that the manufacturer's name, trade mark, or other recognized symbol of identification shall be readily legible when the installation is completed.

12-2018 Taps in Splitters. Taps from bus bars or terminal blocks in splitters shall issue from the box on the side thereof nearest to the terminal connections and the conductors shall not be brought into contact with uninsulated current-carrying parts of opposite polarity.

12-2020 Circuit Restrictions in Splitters. Splitters shall be used only for the purpose of making connections to the bus bars or terminal blocks and shall not be used as a pull box for the conductors of other circuits not connected to the main distribution terminals within the box.

12-2022 Bus Bars in Splitters. Where a splitter exceeds 2 metres in length or the connected load exceeds 600 amperes, a splitter, if used, shall be provided with bus bars extending approximately the full length of the enclosure.

Wireways

12-2100 Where Wireways May Be Used

(1) Wireways may be used only for exposed work and shall not be installed outdoors, or in wet or damp locations, unless specifically approved for such locations.

(2) Wireways and fittings shall not be placed:

- (a) Where subject to mechanical injury;
- (b) Where subject to corrosive vapours;
- (c) In hoistways;
- (d) In hazardous locations; or
- (e) In storage-battery rooms.

(3) Wireways may be used as risers in buildings of fire-resisting construction when provided with acceptable fire stops.

12-2102 Method of Installation of Wireways

(1) Where wireways extend transversely through dry walls or partitions, they shall pass through the walls or partitions in unbroken lengths.

(2) Wireways shall be securely supported at intervals of not more than 5 feet, unless they are plainly marked to indicate greater distances.

(3) Dead ends of wireways shall be closed by approved fittings.

(4) Wireways shall be provided with adequate protection against mechanical injury for a distance of 2 metres above any floor in an area accessible to other than qualified persons.

12-2104 Conductors in Wireways

(1) Conductors used in wireways shall be the insulated types indicated in Table 19 as being suitable for use in raceways.

(2) Except as permitted in Subrule (4) wireways shall contain not more than 200 conductors and the aggregate cross-sectional area of the conductors and their insulation shall not exceed 20 per cent of the interior cross-sectional area of the wireway.

(3) No conductors larger than 500 MCM copper or 750 MCM aluminum shall be contained in any wireway.

(4) Wireways containing only signal and control conductors may contain any number of conductors but the aggregate cross-sectional area of the conductors and their insulation shall not exceed 40 per cent of the interior cross-sectional area of the wireway.

(5) The cross-sectional area for conductors in Subrules (2) and (4) shall be determined in accordance with Rule 12-1116(4).

12-2106 Taps and Splices in Wireways. Where splices and taps are made on feeders or branch circuits within wireways, they shall be made and insulated by acceptable methods and shall be made accessible.

12-2108 Extensions from Wireways. Rigid conduit, flexible conduit, surface raceways, cabletroughs, electrical metallic tubing, armoured cable, metal-sheathed conductors or cable, or, where necessary, acceptable cord assemblies approved for hard usage, shall be used in extensions from wireways and shall be connected to the wireway in a manner appropriate to the material used in accordance with Rule 12-3028.

12-2110 AC Circuits in Wireways. Where alternating current is used, all conductors of a circuit shall be placed within the same wireway, or section, thereof, if the latter is made of magnetic material.

12-2112 Manufacturer's Identification on Wireways. Wireways shall be marked so that the manufacturer's name, trade mark, or other recognized symbol of identification shall be readily legible when the installation is completed.

Cabletroughs

12-2200 Restriction of Use. Cabletroughs shall not be used in any hazardous location except as permitted by Rule 18-070.

12-2202 Method of Installation

(1) Cabletroughs shall be installed as a complete system using fittings or other acceptable means to provide adequate cable support and bending radius before the conductors are installed.

(2) The maximum design load and associated support spacing shall not exceed the values specified in Table 42.

(3) Cabletroughs shall not pass through walls except where the walls are constructed of noncombustible material.

(4) Cabletroughs may extend vertically through floors in dry locations, if provided with acceptable fire stops, and if totally enclosed where passing through and for a minimum distance of 2 metres above the floor to provide adequate protection from mechanical injury.

(5) Cabletroughs shall be adequately supported by noncombustible supports.

(6) Dead ends of cabletroughs shall be closed by the use of proper fittings.

(7) The minimum clearances for cabletroughs shall be:

- (a) 150 millimetres vertical clearance, excluding depth of cabletroughs, between cabletroughs installed in tiers except where cables of 2-inch diameter or greater may be installed, the clearance shall be 300 millimetres;
- (b) 300 millimetres vertical clearance from the top of the cabletrough to all ceilings, heating ducts and heating equipment and 150 millimetres for short length obstructions; and
- (c) 600 millimetres horizontal clearance on one side of cabletroughs mounted adjacent to one another or to walls or other obstructions.

12-2204 Conductors for Use in Cabletroughs

(1) Conductors for use in cabletroughs shall be of a type as specified in Table 19 and shall be enclosed in a continuous metal sheath or of the interlock metal-armour types, except that for ventilated and non-ventilated cabletroughs, conductors having moisture-resistant insulation and flame-retardant non-metallic coverings or sheaths of types specified in Table 19 may be used in electrical equipment vaults, fire-resisting switch rooms and by special permission in other locations which are inaccessible to the public and are of fire-resisting construction and where the conductors are not subject to damage either during or after installation.

(2) Where a non-metallic outer covering is supplied with armoured or metal-sheathed conductors or cable, it shall be flame retardant.

12-2206 Joint and Splices Within Cabletroughs.

Where joints and splices are made on feeders or

branch circuits within cabletroughs, they shall be made and insulated by acceptable methods and shall be in accessible locations.

12-2208 Connection to Other Wiring Methods.

Where cabletroughs are connected to other wiring methods, the arrangement shall be such that the conductors will not be subject to mechanical damage or abrasion, and such that effective ground continuity will be maintained.

12-2210 Grounding

(1) Where metal supports for cabletroughs are bolted to the trough and are in good electrical contact with the grounded structural metal frame of a building, the trough shall be deemed to be grounded.

(2) Where the conditions of Subrule (1) do not apply, the cabletrough shall be adequately grounded at intervals not exceeding 15 metres and the size of grounding conductors shall be based on the maximum rating or setting of an overcurrent device in the circuits carried by the cabletrough in accordance with the requirements of Rule 10-812.

12-2212 Ampacities of Conductors in Cabletroughs

(1) In ventilated and ladder-type cabletroughs, where the air space between conductors, cables, or both is maintained at greater than 100 per cent of the largest conductor or cable diameter, the ampacity of the conductors or cables shall be the value specified in Paragraph (a) or (b):

- (a) Single conductors, single-conductor metal-sheathed or armoured cable and single-conductor-mineral-insulated cable, as specified in Tables 1 and 3; and
- (b) Multi-conductor cables as specified in Tables 2 and 4, multiplied by the correction factor in Rule 4-004 for the number of conductors in each cable.

(2) In ventilated and ladder-type cabletroughs, where the air space between conductors, cables or both is maintained at not less than 25 per cent nor more than 100 per cent of the largest conductor or cable diameter, the ampacity of the conductors or cables shall be the value specified in Subrule (1), multiplied by the correction factor specified in Table 39 for the arrangement and number of conductors or cables involved unless special permission is obtained for other correction factors.

(3) In ventilated and ladder-type cabletroughs, where the air space between conductors, cables, or both is less than 25 per cent, and for any spacing in a non-ventilated cabletrough, the ampacity of the conductors or cables shall be the value as specified in Table 2 or 4 multiplied by the correction factor specified in Rule 4-004 for the total number of conductors in the cabletrough.

(4) In determining the total number of conductors in the cabletrough in Subrule (3), Rule 4-004 (7) shall apply.

(5) Where cabletroughs are located in room temperatures above 30°C the temperature correction factor of Table 5A shall be applied to the ampacities determined from Subrules (1), (2), and (3) as applicable.

Ventilated Flexible Cableway

12-2300 Restriction of Use. Ventilated flexible cableway shall not be used in any hazardous location except as permitted by Rule 18-070.

12-2302 Method of Installation

(1) Ventilated flexible cableway shall not pass through walls except where the walls are constructed of noncombustible material.

(2) Ventilated flexible cableway may extend vertically through dry floors, if totally enclosed where passing through and for a minimum distance of 2 metres above the floor to provide adequate protection from mechanical injury.

(3) Ventilated flexible cableway shall be supported by noncombustible supports.

(4) All ventilated flexible cableway shall be securely attached to hangers or to a solid surface with the maximum spacings of the points of supports:

- (a) 2 metres for 2-, 3-, and 4-inch trade sizes not under tension;
- (b) 3 metres for 2-inch trade size under a minimum tension of 45 kilograms;
- (c) 3.6 metres for 3-inch trade size under a minimum tension of 90 kilograms; and
- (d) 4.2 metres for 4-inch trade size under a minimum tension of 115 kilograms.

(5) A run of ventilated flexible cableway between outlets or between draw-in points shall not contain more than the equivalent of 4 quarter-bends.

12-2304 Conductors for Use in Ventilated Flexible Cableway

(1) Conductors for use in ventilated flexible cableway shall be of a type specified in Table 19 and shall be enclosed in a continuous metal sheath or of the interlock metal-armour types, except that conductors having moisture-resistant insulation and flame-retardant non-metallic coverings or sheaths of types specified in Table 19 may be used in electrical equipment vaults, fire-resisting switch rooms and, by special permission, in other locations that are inaccessible to the public and are of fire-resisting construction and where the conductors are not subject to damage either during or after installation.

(2) Where a non-metallic outer covering is supplied with armoured or metal-sheathed conductors or cable, it shall be flame retardant.

12-2306 Connection to Other Wiring Methods. Where ventilated flexible cableway is connected to other wiring methods the connection shall be made:

- (a) By means of approved fittings;
- (b) Electrically continuous; and
- (c) In such a manner as to assure that the conductors will not be subject to mechanical damage.

12-2308 Manufacturer's Identification on Ventilated Flexible Cableway. The manufacturer's identification marking on ventilated flexible cableway shall be readily visible when the installation is completed.

12-2310 Grounding

(1) Where metal supports are bolted to the ventilated flexible cableway and are in a good electrical contact with the grounded structural metal frame of a building, the ventilated flexible cableway shall be deemed to be grounded.

(2) Where the conditions of Subrule (1) do not apply, the ventilated flexible cableway shall be adequately grounded at intervals not exceeding 15 metres and the size of grounding conductors shall be based on the maximum rating or setting of an overcurrent device in the circuits carried by the ventilated flexible cableway in accordance with the requirements of Rule 10-812.

12-2312 Ampacity of Conductors and Cables Used in Ventilated Flexible Cableway

(1) The ampacity of single or multi-conductor cables shall be the value specified in paragraph (a) or (b) below, multiplied by the correction factor specified in Table 38 for the total number of conductors involved unless special permission is obtained for other correction factors:

- (a) Single conductors, as specified in Tables 2 or 4; and
- (b) Multi-conductor cables, as specified in Tables 2 or 4 multiplied by the factor of Table 38 for the number of conductors in each cable.

(2) Where ventilated flexible cableway is located in room temperatures above 30°C the temperature correction factors of Tables 1, 2, 3, and 4 shall be applied to the ampacities determined from Subrule (1).

12-2314 Maximum Number of Conductors. The maximum number of conductors in ventilated flexible cableway shall be determined as for conduit in accordance with Rule 12-1116.

Lighting Fixture Raceways

12-2400 Use

- (1) Lighting fixture raceways shall be installed only in dry locations.
- (2) Lighting fixture raceways less than 0.0309 inch in thickness shall be used only where the voltage does

not exceed 300 volts between conductors or 150 volts-to-ground.

12-2402 Conductors. Lighting fixture raceways shall not be used for:

- (a) Conductors larger than No. 6 AWG copper or aluminum;
- (b) A greater number of conductors for which it is approved;
- (c) More than 10 conductors; and
- (d) Conductors with insulation rated less than 75°C.

12-2404 Support

(1) Lighting fixture raceways shall be supported in accordance with the Manufacturer's instructions.

(2) Lighting fixture raceways shall support the weight of lighting fixtures in accordance with the Manufacturer's instructions.

12-2406 Fittings

(1) Where a lighting fixture raceway is mounted with the open side of the channel down, fittings approved for the purpose shall be used for holding the conductors in place when the cover is not in position.

(2) At areas where the lighting fixture raceway is intended for the connection of rigid conduit, EMT, armoured cable, or similar wiring methods the metal shall not be less than 0.0309 inch in thickness.

12-2408 Flat Cable Systems

(1) Flat cables approved for the purpose and consisting of parallel conductors and side wings formed with integral insulation specifically designed for field installation in lighting fixture raceways shall:

- (a) Be used only in branch circuits with lighting fixture raceways for which they are approved;
- (b) Be used with tap fittings approved for use with the cable and the raceway; and
- (c) Have each dead-end terminated in an end-cap device approved for the purpose.

(2) Lighting fixture raceways when used with flat cables shall be used in horizontal runs only with the conductors uppermost in the raceway.

(3) Lighting fixture raceways when used with flat cables may have covers on the underside omitted when installed out-of-reach.

Rigid FRE Conduit

12-2500 Rigid FRE Conduit Rules. Rules 12-2500 to 12-2512 apply only to rigid FRE conduit.

12-2502 Use Permitted. Rigid FRE conduit, adapters, separate couplings and bends approved for the purpose may be used:

- (a) For installation underground in accordance with Rule 12-012 for raceways; or
- (b) In walls, floors, and ceilings where encased or embedded in at least 50 millimetres of masonry or poured concrete.

12-2504 Use Prohibited. Rigid FRE conduit shall not be used:

- (a) Above ground except as permitted by Paragraph (b) of Rule 12-2502; or
- (b) In hazardous locations as covered by Section 18.

12-2506 Method of Installation

(1) All cut edges shall be trimmed to remove rough edges.

(2) Rigid FRE conduit, separate couplings and bends shall not be threaded.

(3) All joints between conduit lengths and between conduit lengths and bends, adapters, or separate couplings shall be made by a method specified for the purpose.

12-2508 Fittings. Rigid FRE conduit, separate couplings and bends shall be used with approved adapters.

12-2510 Temperature Limitations. Rigid FRE conduit shall not be used where normal conditions are such that any part of the conduit is subjected to a temperature in excess of 110°C.

12-2512 Maximum Number of Conductors. The maximum number of conductors in rigid FRE conduit shall be determined as for conduit in accordance with Rule 12-1116.

INSTALLATION OF BOXES, CABINETS, OUTLETS AND TERMINAL FITTINGS

12-3000 Maximum Number of Outlets Per Circuit

(1) There shall be not more than 12 outlets on any 2-wire branch circuit except as permitted by other Rules of this Code.

(2) Such outlets shall be considered to be rated at not less than one ampere per outlet except as permitted by Subrule (3).

(3) Where the connected load is known, the number of outlets may exceed 12 providing the load current does not exceed 80 per cent of the rating of the overcurrent device protecting the circuit.

(4) Where fixed multi-outlet assemblies are used, each 1.5 metres or fraction thereof of each separate and continuous length shall be counted as one outlet but, in locations where a number of electrical appliances are likely to be used simultaneously, each 300 millimetres or fraction thereof shall be counted as one outlet.

12-3002 Outlet Boxes

(1) An approved box or an equivalent device shall be installed at every point of outlet, switch or junction of conduit, raceways, armoured cable, or non-metallic sheathed cable, and at every point of outlet and switch of concealed knob-and-tube work.

(2) Non-metallic outlet boxes shall not be used in wiring methods using metallic raceways, armoured or metal sheathed cable, except where the boxes are provided with bonding connections between all conductor entry openings.

(3) The box shall be provided with a cover or a fixture canopy.

(4) Shallow boxes and plates shall not be used without special permission.

(5) At least 150 millimetres of free conductor shall be left at each outlet for making of joints or the connection of fixtures, unless the conductors are intended to loop through lampholders, receptacles, or similar devices without joints.

(6) Notwithstanding the requirements of Subrule (1), an outlet box may be omitted where equipment has its own integral connection box or has been approved for use as a connection box.

12-3006 Terminal Fittings

(1) Where conductors are run from the ends of conduit, armoured cable, surface raceways, or non-metallic sheathed cable to appliances or open wiring, an outlet fitting or terminal fitting may be used instead of the box required by Rule 12-3002, and the conductors shall be run without splice, tap, or joint within the fitting.

(2) The fitting shall have a separately bushed hole for each conductor.

(3) The fittings shall not be used at outlets for fixtures.

12-3008 Terminal Fittings Behind Switchboards. Where conductors issue from conduit behind a switchboard or more than 8 conductors issue from a conduit at control apparatus or a similar location an insulating bushing may be used instead of the box required by Rule 12-3002.

12-3010 Distribution Centre. At a distribution centre where conductors larger than No. 6 AWG copper or No. 4 AWG aluminum are used, there shall be installed, in an accessible location, a busway or splitter equipped with terminal blocks or bus bars having a separate screw or stud for each connection.

12-3012 Boxes in Concrete Construction

(1) Where used in concrete slab construction, ceiling outlet boxes shall have knockouts spaced above the free or lower edge of the boxes a distance of at least twice the diameter of the steel reinforcing bars so that conduit entering the knockouts shall clear the bars without offsetting.

(2) Sectional boxes shall not be used embedded in concrete or masonry construction.

(3) Boxes made wholly or in part of aluminum shall not be embedded in concrete containing reinforcing steel unless:

(a) The concrete is known to contain no chloride additives; or

(b) The box has been treated with an approved bituminous base paint or other approved means to prevent galvanic corrosion of the aluminum.

12-3014 Outlet Box Supports

(1) Boxes and fittings shall be supported on metal supports or on a wooden board at least 19 millimetres thick, rigidly secured to the structural unit if:

(a) Ganged sectional boxes are used; or

(b) The boxes and fittings are not secured to studs, joists, or similar fixed structural units other than wooden, metal, or composition lath.

(2) Subrule (1) shall not apply to boxes and fittings installed after the studs, joists, or structural units have been concealed.

(3) Notwithstanding Subrule (1), boxes mounted on metal studs shall be provided with additional support.

12-3016 Boxes, Cabinets, and Fitting Supports

(1) Boxes, cabinets, and fittings shall be fastened securely in place.

(2) Boxes and fittings having a volume of less than 100 cubic inches may be attached to a firmly secured exposed raceway by threading or other acceptable means of connection.

12-3018 Accessibility of Junction Boxes

(1) Pull-in, junction, and outlet boxes, cabinets and gutters, and joints in wires and cables shall be accessible.

(2) A vertical space of 900 millimetres or more shall be required to provide ready access.

12-3020 Flush Boxes, Cabinets, and Fittings

(1) The front edges of boxes, cabinets and fittings installed in walls or ceiling shall not be set in more than $\frac{1}{4}$ inch from the finished surface, and where the walls or ceilings are of wood or other combustible material, shall be flush with the finished surface or shall project therefrom.

(2) Gaps or open spaces in plaster surfaces of walls or ceilings shall be filled in around the front edges of boxes, cabinets, and fittings.

12-3022 Outlet Boxes Attached to Existing Plaster Work. Where outlet boxes installed as additions to existing work are mounted directly upon existing plaster surfaces they shall be fastened securely in place.

12-3024 Outlet Boxes, etc., in Damp Places. Where boxes, cabinets, and fittings are installed in damp places they shall be so placed or constructed

as to prevent moisture from entering and accumulating therein.

12-3028 Entrance of Conductors into Boxes, Cabinets, and Fittings

(1) Where conductors pass through the walls of boxes, cabinets, or fittings, provision shall be made to:

- (a) Protect the insulation on the conductors from injury;
- (b) Protect terminal connections from external strain;
- (c) Provide electrical continuity between a metal box, cabinet, or fitting and conduit, armour, or metal sheathing of conductors, whether or not the armour or metal sheathing is to be used as a grounding conductor;
- (d) Prevent injury to a non-metallic sheath applied over armour or metal sheathing for protection against moisture or corrosion; and
- (e) Close the openings through which the conductors pass in such a manner that any remaining opening will not permit entrance of a test rod $\frac{1}{8}$ inch in diameter.

(2) Where conductors, run as open wiring, enter a metal box, cabinet, or fitting, they shall either pass through insulating bushings, firmly secured in the opening, with the last external point of support sufficiently close to the opening to avoid strain on conductor termination, or the conductor shall be encased in a flexible tubing which shall enter the opening and be secured in place.

(3) Where non-metallic sheathed cable enters a box, cabinet, or fitting, a box connector, either as a separate device approved for use with such cable or as part of the box, cabinet, or fitting, shall be used to secure the cable in place adequately and without injury to the conductors.

(4) Where rigid or flexible metal conduit, electrical metallic tubing, or armoured cable enter boxes, cabinets, or fittings, they shall be secured in place in accordance with the requirements of Section 10.

(5) Where metal sheathed conductors enter boxes, cabinets, or fittings, the box connector shall be installed in a manner which will meet the requirements of Section 10 without injury to the conductors and shall be of a type approved specifically for the cable.

(6) Where liquid-tight flexible metal conduit or where flexible conduit, armoured cable, or metal-sheathed cable of a type having a non-metallic sheath over the armour or metal sheath enters a box, cabinet, or fitting, the box connector shall be of a type specifically approved for the purpose and shall ensure electrical continuity without injury to the non-metallic sheath unless the point of connection is in a dry location free from corrosive atmosphere, where the non-metallic sheath may be stripped back a sufficient distance.

(7) Where single conductor cables enter metal boxes through separate openings, precaution shall be taken to prevent overheating of the metal by induction if the current carried per conductor exceeds 200 amperes.

(8) Precautions to be taken to prevent overheating of the metal by induction shall include the use of non-ferrous or non-metallic box connectors, lock nuts and bushings and if non-ferrous metal plates or insulating plates are field installed, they shall be, except by special permission, at least $\frac{1}{4}$ inch thick.

12-3030 Unused Openings in Boxes, Cabinets, and Fittings. Unused openings in boxes, cabinets, and fittings shall be effectively closed by plugs or plates affording protection substantially equivalent to that of the wall of the box, cabinet, or fitting.

12-3032 Extensions From Existing Outlets

(1) Where a surface extension is made from an existing outlet of concealed wiring, a box or an extension-ring shall be mounted over the original box and electrically and mechanically secured to it.

(2) The extension shall then be connected to the box or extension-ring in the manner prescribed by this Section for the method of wiring employed in making the extension.

12-3034 Multi-Outlet Assemblies

(1) Multi-outlet assemblies shall only be used in normally dry locations as extensions to wiring systems.

(2) Multi-outlet assemblies shall not be used in any bathroom, kitchen, or any place where in the opinion of the inspection department the assembly would be subject to mechanical injury.

(3) Multi-outlet assemblies may be carried through but not run within dry partitions provided that:

- (a) No outlet falls within the partition;
- (b) The removal of any cap or cover necessary for proper installation is not prevented; and
- (c) The assembly is of metallic construction or, if of non-metallic construction, is surrounded by a metal duct or the equivalent.

(4) Multi-outlet assemblies shall not be concealed within the building finish but:

- (a) The back and sides of metal assemblies may be set in plaster applied after the assembly is in place; or
- (b) The back and sides of non-metallic assemblies may be set in a preformed recess in the building finish; and
- (c) Either may be recessed in a baseboard or other wood trim member.

12-3036 Conductors in Boxes, Cabinets or Fittings

(1) Conductors which are connected to different power or distribution transformers or other different sources of voltage shall not be installed in the same box, cabinet or fitting unless:

- (a) A barrier of sheet steel not less than 0.0528 inch (No. 16 MSG) thick or a flame-retardant non-metallic insulating material not less than $\frac{1}{16}$ inch in thickness is used to divide the

space into separate compartments for the conductors of each system;

(b) The conductors are used for the supply and/or control of remote devices and are insulated for at least the same voltage as that of the circuit having the highest voltage and none of the conductors of the circuits of lower voltages is directly connected to a lighting branch circuit; or

(c) The conductors are used for the supply of a double-throw switch in an emergency lighting system.

(2) Where a barrier is used, it shall be fastened rigidly to the box, cabinet or fitting, or an approved device assuring positive separation of the conductors shall be used.

12-3038 Wiring Space in Enclosures

(1) Enclosures for overcurrent devices, controllers, and externally operated switches shall not be used as junction boxes, troughs, or raceways for conductors feeding through to other apparatus.

(2) Notwithstanding Subrule (1) of this Rule, where such an enclosure is approved with connectors or the equivalent, each providing an independent clamping means for each conductor and each clamping means being independently accessible for tightening or inspection, a single feeder supplying another enclosure may be tapped from it.

(3) Conductors entering enclosures shall enter such enclosures as near as practicable to their terminal fittings.

12-3040 Maximum Number of Conductors in a Box

(1) Boxes shall be of sufficient size to provide usable space for all insulated conductors contained in the box, subject to the following:

(a) A conductor running through a box with no connection therein shall be considered as one conductor;

(b) Each conductor entering or leaving a box and connected to a terminal or connector within the box shall be considered as one conductor;

(c) A conductor of which no part leaves the box shall not be counted; and

(d) No. 18 and No. 16 AWG fixture wires supplying a lighting fixture mounted on the box containing the fixture wires shall not be counted.

(2) Except as specified in Subrule (3) and subject to the details given in Subrule (1), boxes of the nominal dimensions given in Table 23 shall not contain more insulated conductors of a given size than permitted by the Table, and the number of conductors shall be reduced for each of the following conditions as applicable:

(a) One conductor if the box contains one or more fixture studs, hickeyes or insulated grounding conductors;

(b) One conductor for every pair of wire connectors with insulating caps (no deduction for one wire connector, deduct one conductor for 2 or 3 wire connectors, two conductors for 4 or 5 wire connectors, etc.);

(c) One conductor if the box contains mounting nails passing through the interior of the box, except when nails are within 3 millimetres from the back;

(d) Two conductors if the box contains one or more flush devices mounted on a single strap.

(3) Where a box contains a device having a dimension greater than 1 inch between the mounting strap and back of the device, the total usable space shall be reduced by the space occupied by the device, calculated as 5 cubic inches multiplied by the depth of the device in inches (for example, a device having a depth of $1\frac{1}{2}$ inches would occupy a space of $7\frac{1}{2}$ cubic inches, that is 5 times $1\frac{1}{2}$).

(4) Subject to the details given in Subrules (1) and (3), boxes having nominal dimensions other than those shown in Table 23 shall have the amount of usable space per insulated conductor as specified in Table 22, but the number of conductors so calculated shall be reduced by one for each of the conditions of Subrule (2) as applicable.

(5) The total usable space in a box considered under Table 22, shall be considered to be the internal volume of the box and shall disregard any space occupied by locknuts, bushings, cable connectors, or clamps.

(6) Where sectional boxes are ganged or where plaster rings, extension rings or raised covers are used in conjunction with boxes, ganged or otherwise, and are marked with their volume measurement, the space in the box shall be the total volume of the assembled sections.

12-3042 Pull Box Sizes. Where a pull box is used with raceways of $1\frac{1}{4}$ inch trade size or larger containing conductors No. 6 AWG or larger, the box shall:

(a) For straight pulls, have a length of at least 8 times the trade diameter of the largest raceway;

(b) For angle and U pulls:

(i) Have a distance between each raceway entry inside the box and the opposite wall of the box of at least 6 times the trade diameter of the largest raceway, this distance being increased by the sum of the trade diameters of the other raceways on the same wall of the box; and

(ii) Have a distance between the nearest edges of each raceway entry enclosing the same conductor of at least:

(A) Six times the trade diameter of the raceway; or

- (B) Six times the trade diameter of the larger raceway if they are of different sizes.

- (c) For a raceway entering in the wall of a box opposite to a removable cover, have a distance from the wall to the cover of not less than the trade diameter of the largest raceway plus 6 times the diameter of the largest conductor.

SECTION 14—PROTECTION AND CONTROL

Scope

14-000 Scope. This Section covers the protection and control of electrical circuits and apparatus installed in accordance with the requirements of this Section and other Sections of this Code.

General Requirements

14-010 Protective and Control Devices Required. Electrical apparatus and ungrounded conductors shall, except as otherwise provided for in this Section or in other Sections dealing with specific equipment, be provided with:

- (a) Approved devices for the purpose of automatically opening the electrical circuit thereto:
 - (i) If the current therein reaches a value which will produce a dangerous temperature in the apparatus or conductor; and
 - (ii) In the event of a ground fault, in accordance with Rule 14-102; and
- (b) Approved manually operable devices which will safely disconnect all ungrounded conductors of the circuit at the point of supply simultaneously, except for multi-wire branch circuits, which in other than single family dwellings, have each load connected to the neutral and one ungrounded conductor; and
- (c) Approved devices which, when necessary will open the electrical circuit thereto in the event of failure of voltage in such circuit.

14-012 Types and Ratings of Protective and Control Devices

(1) Circuit breakers, fuses, and switches shall be of types and ratings acceptable to the inspection department.

(2) Overcurrent protective devices shall ensure safe operation and shall have interrupting capacity sufficient for the voltage employed and for the anticipated fault current which must be interrupted.

14-014 Connection of Devices. Devices required by this Section shall not be connected in any grounded conductors except where:

- (a) The devices simultaneously or previously disconnect all ungrounded conductors;
- (b) An overcurrent device is in a 2-wire circuit having one wire grounded and there is a possi-

bility that the grounded conductor may assume a voltage difference between itself and ground, due to unreliable grounding conditions, of sufficient magnitude to create a dangerous condition; or

- (c) Overcurrent devices are located in that part of a circuit which is connected by an unpolarized attachment plug.

Protective Devices

General

14-100 Overcurrent Devices Required. Each ungrounded conductor shall be protected by an overcurrent device at the point where it receives its supply of current and at each point where the size of conductor is decreased, except that such protection may be omitted:

- (a) Where the overcurrent device in a larger conductor properly protects the smaller conductor;
- (b) Where the smaller conductor:
 - (i) Has an ampacity not less than the combined computed loads of the circuits supplied by the smaller conductor and not less than the ampere rating of the switchboard, panelboard, or control device supplied by the smaller conductor;
 - (ii) Is not over 3 metres long;
 - (iii) Does not extend beyond the switchboard, panelboard, or control device which it supplies; and
 - (iv) Is enclosed in non-ventilated metallic raceways, armoured cable or metallic sheathed cable when not a part of the wiring in the switchboard, panelboard or other control device;
- (c) Where the smaller conductor:
 - (i) Has an ampacity not less than $\frac{1}{3}$ that of the larger conductor from which it is supplied; and
 - (ii) Is suitably protected from mechanical damage, is not more than 7.5 metres long, and terminates in a single overcurrent device rated or set at a value not exceeding the ampacity of the conductor, but beyond the single overcurrent device the conductor may supply any number of overcurrent devices;
- (d) Where the smaller conductor is in a control circuit: and
 - (i) The rating or setting of the branch circuit overcurrent device is not more than 500 per cent of the ampacity of the control circuit conductor; or

- (ii) The opening of the control circuit would create a hazard, as for example, the control circuit of a fire pump motor; or
- (e) Where the smaller conductor supplies a transformer:
 - (i) The conductor supplying the primary of the transformer has an ampacity not less than $\frac{1}{3}$ that of the larger conductor;
 - (ii) The conductor supplied by the secondary of the transformer has an ampacity not less than the ampacity of the primary conductor multiplied by the ratio of the primary to the secondary voltage;
 - (iii) The total length of one primary plus one secondary conductor (the longest, if more than one winding), excluding any portion of the primary conductor that is protected at its own ampacity, does not exceed 7.5 metres;
 - (iv) The primary and secondary conductors are protected from mechanical damage; and
 - (v) The secondary conductor terminates in a single overcurrent device rated or set at a value not exceeding its ampacity.

14-102 Ground Fault Protection

(1) Except as permitted by Subrule (8), ground fault protection shall be provided to de-energize all normally ungrounded conductors of a faulted circuit that are downstream from the point or points marked with an asterisk in Table 49 in the event of a ground fault in those conductors as follows:

- (a) In solidly grounded circuits rated more than 150 volts-to-ground, less than 750 volts phase-to-phase and 1000 amperes or more; and
- (b) In solidly grounded circuits rated 150 volts or less to ground and 2000 amperes or more.

(2) The maximum setting of the ground fault protection shall be 1200 amperes and the maximum time delay shall be one second for ground fault currents equal to or greater than 3000 amperes.

(3) The ampere rating of the circuits referred to in Subrule (1) shall be considered to be:

- (a) The rating of the largest fuse that can be installed in a fusible disconnecting device;
- (b) The highest trip setting for which the actual overcurrent device installed in a circuit breaker is rated or can be adjusted; or
- (c) The ampacity of the main conductor feeding the devices located at points marked with an asterisk in Item 2 of Table 49, in the case where no main disconnecting device is provided.

(4) This protection shall be provided by:

- (a) An overcurrent device which incorporates ground fault protection;
 - (b) A ground fault tripping system comprising a sensor or sensors, relay and auxiliary tripping mechanism; or
 - (c) Other approved means.
- (5) The sensor or sensors referred to in Subrule (4) shall be:
- (a) Sensors which vectorially totalize the currents in all conductors of the circuit, including the grounded circuit conductor, where one is provided, but excluding any current flowing in the ground fault return current path;
 - (b) Sensors which sense ground fault current flowing from the fault to the supply end of the system through the ground return path; or
 - (c) A combination of these two types of sensor.

(6) Sensors referred to in Subrule (5)(a) may be installed at any point between the supply transformer and the downstream side of the disconnecting means marked with an asterisk in Table 49 but, if located downstream from this disconnecting means, the sensors shall be placed as close as practicable to its load terminals.

(7) Sensors referred to in Subrule (5)(b) shall be located on each connection between neutral and ground, except that where the neutral is grounded both at the supply transformer and at the switching centre, the sensor at the transformer is not required provided the maximum pickup setting of the ground fault relay does not exceed 1000 amperes.

(8) In ground fault schemes where two or more protective devices in series are used for ground fault co-ordination, the upstream protective device settings may exceed those specified in Subrule (2) where necessary to obtain the desired co-ordination, provided that the final downstream ground fault protective device in each circuit required to be protected conforms to the requirements of Subrule (2).

14-104 Rating of Overcurrent Devices, General.

The rating or setting of overcurrent devices shall not exceed the allowable ampacity of the conductors which they protect except:

- (a) Where a fuse or circuit breaker having a rating or setting of the same value as the ampacity of the conductor is not available, in which case the ratings or settings given in Table 13 may be used within the maximum value of 600 amperes;
- (b) In the case of equipment wire, flexible cord in sizes Nos. 16, 18, and 20 AWG copper, and tinsel cord, which will be considered as protected by 15 ampere overcurrent devices; or
- (c) As provided for by other rules of this Code.

14-106 Location and Grouping. Overcurrent devices shall be located in readily accessible places, except as provided for elsewhere in this Code, and shall be grouped where practicable.

14-108 Enclosure of Overcurrent Devices

(1) Overcurrent devices shall be enclosed in cutout boxes or cabinets, unless they form a part of an approved assembly which affords equivalent protection, or unless mounted on switchboards, panelboards, or controllers located in rooms or enclosures free from easily ignitable material and dampness, and accessible only to authorized persons.

(2) Operating handles of circuit breakers shall be made accessible without opening any door or cover giving access to live parts.

14-110 Mounting of Enclosures. Enclosures for overcurrent devices shall be mounted in a vertical position unless, in individual instances, this is clearly impracticable.

14-114 Overcurrent Devices in Parallel. Overcurrent devices shall not be connected in parallel in circuits of 750 volts or less, except for circuit breakers that are factory assembled in parallel and tested and approved as a single unit.

Fuses

14-200 Time-Delay and Low-Melting Point Fuses

(1) Plug and cartridge fuses of the low-melting point types, including time-delay fuses which also have low-melting points shall be marked so as to be readily distinguishable.

(2) The marking referred to in Subrule (1) shall be the letter "P" for low-melting point types which do not have time-delay characteristics, and the letter "D" for time-delay fuses.

14-202 Use of Plug Fuses. Plug fuses and fuseholders shall not be used in circuits exceeding 125 volts between conductors except in circuits supplied from a system having a grounded neutral and no conductor operating at more than 150 volts-to-ground.

14-204 Non-Interchangeable Fuses

(1) Where plug fuses are used in branch circuits they shall be of such a type and so installed that they are non-interchangeable with a fuse of larger rating.

(2) Where any alterations or additions are made to an existing fusible panelboard, all the plug fuses in the panelboard shall, where practical, comply with the requirements of Subrule (1).

14-206 Fuseholders for Plug Fuses. Fuseholders for plug fuses shall be of the so-called "covered" type where readily accessible to unauthorized persons.

14-208 Rating of Fuses

(1) Plug fuses shall be rated at not more than 30 amperes.

(2) Standard cartridge fuses shall not be used in capacities larger than 600 amperes or in circuits at more than 600 volts.

(3) HRC Form I, HRC Form II and Class L high rupturing capacity fuses used in circuits rated at 750 volts or less are not limited as to current rating.

(4) Fuses for use in circuits of more than 750 volts are not limited in current or voltage ratings.

14-210 Fuses and Fuseholders. Only approved fuses and fuseholders of proper rating shall be used, and no bridging or short circuiting of either component shall be permitted.

14-212 Use of HRC Form I and Form II High Rupturing Capacity Fuses. HRC fuses, which have a rupturing capacity in excess of that required for standard fuses, may be used as follows:

- (a) HRC Form I fuses, in lieu of standard fuses;
- (b) HRC Form II fuses, for overcurrent protection only where circuit overload protection is provided by standard fuses, circuit breakers, or overload devices;
- (c) HRC Form II fuses, in lieu of standard fuses in those applications where this Code permits the installation of fuses greater than the ampere rating of the load, provided that the rating of the HRC Form II fuses does not exceed 85 per cent of the maximum rating permitted for standard fuses.

Circuit Breakers

14-300 Circuit Breakers, General

(1) Circuit breakers shall be of the trip-free type.

(2) Indication shall be provided at the circuit breaker and at the point of operation to show whether the circuit breaker is open or closed.

14-302 Construction of Circuit Breakers. Where circuit breakers are provided for the protection of apparatus or ungrounded conductors, or both, they shall open the circuit in all ungrounded conductors by the manual operation of a single handle and by the action of overcurrent, except:

- (a) Where single-pole circuit breakers are permitted by paragraph (b) of Rule 14-010; or
- (b) In branch circuits derived from a 3-wire grounded neutral system two single-pole manually operable circuit breakers may be used in lieu of a 2-pole breaker, provided that:
 - (i) Their handles are so interlocked that all ungrounded conductors will be opened by the manual operation of either handle; and
 - (ii) Each breaker has voltage ratings not less than that of the 3-wire grounded neutral system.

14-304 Non-Tamperable Circuit Breakers. Branch-circuit breakers unless accessible only to

authorized persons, shall be of such design that any alteration by the user of either tripping current or time will be difficult.

14-306 Tripping Elements for Circuit Breakers. Circuit breakers shall be equipped with tripping elements as specified in Table 25.

Control Devices

General

14-400 Rating of Control Devices. Control devices shall have ratings suitable for the connected load of the circuits which they control and, with the exception of isolating switches, shall be capable of safely establishing and interrupting such loads.

14-402 Disconnecting Means Required for Fused Circuits. Circuits protected by fuses shall be equipped with disconnecting means integral with, or adjacent to, the fuseholders whereby all live parts for mounting fuses can be readily and safely made dead, except that such disconnecting means may be omitted in the case of:

- (a) Instrument and control circuits on switchboards where the voltage does not exceed 250 volts; and
- (b) Primary circuits of voltage transformers having a primary voltage of 750 volts or less, on switchboards; and
- (c) A circuit having only one ungrounded conductor where a plug fuse is used, as a plug fuse can be safely handled while alive in such a circuit.

14-404 Control Devices Ahead of Overcurrent Devices. Control devices used in combination with overcurrent devices or overload devices for the control of circuits or apparatus shall be connected so that the overcurrent or overload devices will be dead when the control device is in the open position, except where this is impracticable.

14-406 Location of Control Devices

(1) Control devices, with the exception of isolating switches, shall be readily accessible.

(2) Remotely controlled devices shall be considered to be readily accessible if the means of controlling them are readily accessible.

14-408 Indication of Control Device Positions. Manually operable control devices shall indicate the "on" and "off" positions, unless the application of the devices is such as to make this requirement unnecessary.

14-410 Enclosure of Control Devices. Control devices, unless they are located or guarded so as to render them inaccessible to unauthorized persons and to prevent fire hazards, shall have all current-carrying parts in enclosures of metal or other fire-resisting material.

14-412 Grouping of Control Devices. Control devices controlling feeders and branch circuits shall be grouped where practicable.

14-414 Connection to Different Circuits

(1) Where electrical equipment is supplied by more than one circuit, in order to prevent accidental contact with bare live parts:

- (a) A single disconnecting means, which will effectively open all ungrounded conductors supplying the equipment, shall be provided integral with, or adjacent to, the equipment; or
- (b) (i) each circuit shall be provided with an isolating means integral with or adjacent to the equipment;
- (ii) The isolating means in Paragraph (i) shall consist of barriers, individual disconnecting means integral with or adjacent to the equipment and grouped where practicable, or multi-pole relays.

(2) Notwithstanding Subrule (1), disconnecting means integral with or adjacent to equipment need not be provided for control circuits originating beyond the equipment and not exceeding 150 volts-to-ground provided that all associated bare live parts are protected against inadvertent contact by means of barriers.

(3) Where multiple disconnecting means as in Subrule (1)(b) are provided, suitable warning signs shall be placed on or adjacent to each disconnecting means to the effect that all of the disconnecting means must be opened to ensure complete de-energization of the equipment.

(4) Where barriers are used as required in Subrule (2), a suitable warning sign shall be placed on or adjacent to the equipment, or on the barriers, indicating that there is more than one source of supply to the equipment.

(5) The barriers referred to in Subrules 14-414 (b) (ii), 14-414 (3) and 14-414 (4) shall consist of:

- (a) A minimum clearance of six inches between parts connected to different circuits;
- (b) Dead front construction;
- (c) Recessing; or
- (d) Other equivalent means satisfactory to an inspector.

(6) The effectiveness of barriers shall be judged as satisfactory when they prevent a probe ($\frac{3}{4}$ inches in diameter, 3 inches long, and having a spherical end) from contacting adjacent live parts from any angle.

14-416 Disconnecting Means

(1) A single disconnecting means shall be provided either integral with or adjacent to the distribution equipment:

- (a) within each unit of a multi-unit building, other than dwelling unit;

- (b) within each area common to more than one building, such as an underground parking area; or
- (c) within each building when fed from another building.

Switches

14-500 Operation of Switches. Knife switches and other control devices, unless located or guarded so as to render them inaccessible to unauthorized persons, shall be constructed so that they may be switched to the "off" position without exposing live parts.

14-502 Mounting of Knife Switches

(1) Single-throw knife switches shall be mounted with their bases in a vertical plane.

(2) Single-throw knife switches shall be mounted so that gravity will not tend to close them.

(3) Double-throw knife switches may be mounted so that the throw will be either vertical or horizontal but, if the throw is vertical, a positive locking device or stop shall be provided so as to ensure the blades remaining in the open position when so set, unless it is not intended that the switch be left in the open position.

14-504 Connection of Switches. Manual single-throw switches, circuit breakers, or magnetic switches, shall be so connected that the blades or moving contacts will be dead when the device is in the open position, except that the following need not comply:

- (a) Branch-circuit breakers which have all live parts other than terminals sealed, and which are constructed so that the line and load connections may be interchanged;
- (b) Switchgear which is provided for sectionalizing purposes and has a suitable caution notice attached to the assembly;
- (c) Switches which are immersed in a liquid and have a suitable caution notice attached to the outside of the enclosure;
- (d) Switches which are designed so that all live parts are inaccessible when the device is in the open position;
- (e) Magnetic switches, when preceded by a circuit breaker or manual switch which is located in the same enclosure or immediately adjacent and is marked to indicate that it controls the circuit to the magnetic switch, unless this is obvious.

14-506 Maximum Rating of Switches

(1) Knife switches rated at more than 600 amperes at 750 volts or less shall be used only as isolating switches.

(2) Notwithstanding Subrule (1), switches of special design and approved for such purpose may be used to interrupt currents greater than 600 amperes at 750 volts or less.

14-508 Rating of Snap Switches. Snap switches shall be rated as follows:

- (a) For non-inductive loads other than tungsten-filament lamps, switches shall have an ampere

rating not less than the ampere rating of the load;

- (b) For tungsten-filament lamp loads, and for combined tungsten filament and non-inductive loads, switches shall be "T" rated, except where:

- (i) The switches are used in branch-circuit wiring systems in dwelling units, in private hospital or hotel rooms or in similar locations but not in public rooms or places of assembly;

- (ii) The switch controls permanently connected fixtures or lighting outlets in one room only, or in one continuous hallway where the lighting fixtures may be located at different levels or in attics or basements not used for assembly purposes; and

- (iii) The switch is rated at not less than 10 amperes, 125 volts; 5 amperes, 250 volts; or for the 4-way types, 5 amperes, 125 volts; 2 amperes, 250 volts;

- (c) Canopy switches controlling a tungsten-filament lamp load shall be "T" rated or shall have an ampere rating at least three times the ampere rating of the load;

- (d) For inductive loads, switches shall have an ampere rating of twice the ampere rating of the load unless:

- (i) They are of a type approved as part of an assembly or for the purpose employed; or

- (ii) The inductive load is ac with a power factor between unity and 0.75 lag in which case a switch having an "F" rating at 10 amperes, 125 volts may be used.

14-510 Use and Rating of Manually-Operated General-Purpose Alternating-Current Switches

(1) Manually-operated, general-purpose switches intended for alternating-current systems and constructed so that they can be installed readily in wiring systems for making and breaking tungsten-filament lighting and power circuits shall be rated as follows:

- (a) For tungsten-filament lamp loads at 120 volts maximum, switches shall have an ampere rating not less than the current rating of the load;

- (b) For non-inductive loads and for inductive loads at not less than 75 per cent power factor lag, switches shall have an ampere rating not less than the current rating of the load.

(2) The current rating of the switches shall be not less than 15 amperes in conjunction with a voltage rating of 120 or 277 volts.

(3) Switches shall be adapted for mounting in flush-device boxes, surface-type boxes, special boxes, or have complete self enclosures.

14-512 Manually Operated Specific-Use AC Switches

(1) Manually operated specific-use ac switches shall be used only for the control of non-inductive loads other than tungsten-filament lamps, and for inductive loads where the power factor is not less than 75 per cent lagging.

(2) The current rating of the switches shall be not less than 15 amperes in conjunction with a voltage rating of 347 volts.

(3) The switches designed for mounting in boxes shall not be readily interchangeable with switches referred to in Rules 14-508 and 14-510.

14-514 Manually Operated Switches in Circuits Exceeding 300 Volts-to-Ground. Switches referred to in Rules 14-508 and 14-512, when controlling circuits exceeding 300 volts-to-ground shall not be ganged or grouped in the same enclosure unless the enclosure provides permanently installed barriers.

Protection and Control of Miscellaneous Apparatus

14-600 Protection of Receptacles. Receptacles shall not be connected to a branch circuit having overcurrent protection rated or set at more than the ampere rating of the receptacle except as permitted by other Sections of this Code.

14-602 Additional Control Devices Not Necessary. Portable appliances need not be equipped with additional control devices where the appliances are:

- (a) Rated at not more than 1500 watts; and
- (b) Provided with approved cord connectors, attachment plugs or other approved means by which they can be disconnected readily from the circuits.

14-604 Outlet Control From More Than One Point. Where switches are used to control an outlet or outlets from more than one point, the switches shall be wired and connected so that the grounded conductor runs directly to the outlet or outlets controlled by the switches.

14-606 Panelboard Overcurrent Protection. A panelboard supplied by conductors having overcurrent protection greater than 100 amperes shall be protected on the supply side by overcurrent devices having a rating not greater than that of the panelboard.

14-608 Remote-Control Circuits. Remote-control circuits of remotely controlled apparatus shall be arranged so that they may be conveniently disconnected from their source of supply at the controller, but as an alternative it may be arranged that the disconnecting of the apparatus from the supply circuit also disconnects the remote-control circuit from the supply circuit.

14-610 Protection of Circuits Supplying Cycling Loads. Where fuses protect circuits in which more than 50 per cent of the circuit rating is a cycling load, such as thermostatically-controlled electric space heaters, clothes dryers or water heaters, they shall be time-delay or low-melting point fuses of the type referred to in Rule 14-200 or HRC Form 1 fuses, except that in dwelling units HRC Form 1 fuses shall have the same low-melting point characteristics referred to in Rule 14-200.

14-612 Transfer Equipment for Standby Power Systems. Transfer equipment for standby power systems shall prevent the inadvertent interconnection of normal and standby sources of supply in any operation of the transfer equipment.

Solid State Devices

14-700 Restriction of Use. Solid state devices shall not be used as isolating switches or as disconnecting means.

14-702 Disconnecting Means Required

(1) Supplementary disconnecting means shall be provided where failure of or leakage through a solid state device could result in transfer of energy between two or more power sources.

(2) The disconnecting means referred to in Subrule (1) shall:

- (a) Be connected into the circuit in such a way that when opened they will prevent transfer of energy between the different power sources; and
- (b) Be provided as an integral part of the solid state device; or
- (c) Be installed as close as practicable and in sight of the solid state device.

14-704 Warning Notices Required. Suitable warning notices shall be placed:

- (a) On the supplementary disconnecting means required by Rule 14-702 to the effect that:
 - (i) This disconnecting means shall be opened in the event of a failure of any of the power sources or in the event of servicing of any component in the circuits of the other power sources; and
 - (ii) Both line and load terminals may be energized when the disconnecting means is open; and
- (b) On all other upstream disconnecting means to the effect that an alternate power source, or sources, exist in the circuit and that the supplementary disconnecting means must also be opened to prevent the possibility of feedback from the alternate source or sources.

SECTION 16—CLASS 1 AND CLASS 2 CIRCUITS

General

16-000 Scope

- (1) This Section covers:
 - (a) Class 1 and Class 2 remote-control circuits;
 - (b) Class 1 and Class 2 signal circuits;
 - (c) Class 1 extra-low-voltage power circuits; and

(d) Class 2 low-energy power circuits.

(2) This Section does not apply to:

(a) Communication circuits as specified in Section 60; and

(b) Circuits forming an integral part of a device.

16-002 Classifications. Circuits covered by this Section are that portion of the wiring system between the load side of the overcurrent device or the power-limited supply and all connected equipment, and shall be classified as follows:

(a) Class 1—Circuits which are supplied from sources having limitations in accordance with Rule 16-100;

(b) Class 2—Circuits which are supplied from sources having limitations in accordance with Rule 16-200.

16-004 Class 1 Extra-Low-Voltage Power Circuits. Circuits which are neither remote-control circuits nor signal circuits, but which operate at not more than 30 volts where the current is not limited in accordance with Rule 16-200 and which are supplied from a transformer or other device restricted in its rated output to 1000 volt-amperes and approved for the purpose, shall be classed as extra-low-voltage power circuits and shall be considered to be Class 1 circuits.

16-006 Class 2 Low-Energy Power Circuits. Circuits which are neither remote-control circuits nor signal circuits but in which the current is limited in accordance with Rule 16-200, shall be classed as low-energy power circuits and shall be considered to be Class 2 circuits.

16-008 Hazardous Locations. Where the circuits or apparatus within the scope of this Section are installed in hazardous locations, they shall also comply with the applicable rules of Section 18.

16-010 Circuits to Safety Control Devices. Where the failure to operate of a remote control circuit to a safety control device will introduce a direct fire or life hazard, the remote control circuit shall be deemed to be a Class 1 circuit.

16-012 Circuits in Communication Cables

(1) Class 1 circuits shall not be run in the same cable with communication circuits.

(2) Class 2 remote-control and signal circuits or parts thereof which use conductors in a cable assembly with other conductors forming parts of communication circuits are, for the purpose of this Code, deemed to be communication circuits.

Class 1 Circuits

16-100 Limitation of Class 1 Circuits

(1) Class 1 extra-low-voltage power circuits shall be supplied from a source having a rated output of not more than 30 volts and 1000 volt-amperes.

(2) Class 1 remote-control and signal circuits shall be supplied by a source not exceeding 600 volts.

16-102 Methods of Installation for Class 1 Circuits. The requirement and conductors of Class 1 circuits shall be installed in accordance with the requirements of other appropriate Sections of this Code, except as provided in Rules 16-104 to 16-120.

16-104 Overcurrent Protection of Class 1 Circuit

(1) Conductors of Class 1 circuits shall be protected against overcurrent in accordance with Section 14 of this Code, except:

(a) Where other rules of this Code specifically permit or require other overcurrent protection;

(b) Where the conductors are of No. 18 or No. 16 AWG copper and extend beyond the equipment enclosure, they shall be protected by overcurrent devices rated at a maximum of 5 amperes and 10 amperes respectively.

(2) Where the current is limited in a Class 1 circuit by means of overcurrent protection, both the protection and its mounting shall be approved for that purpose.

16-106 Location of Overcurrent Devices in Class 1 Circuits

(1) In Class 1 circuits, the overcurrent devices shall be located at the point where the conductor to be protected receives its supply.

(2) The overcurrent device may be an integral part of the power supply.

16-108 Transformers Supplying Class 1 Circuits

(1) Transformer devices supplying Class 1 circuits shall be approved for the purpose.

(2) Where overcurrent protection is installed at the secondary terminals of the transformer and the transformer is suitably enclosed, no overcurrent protection is required on the primary side other than the normal overcurrent protection of the branch circuit supplying the transformer.

16-110 Class 1 Extra-Low-Voltage Power Circuit Sources Including Transformers. To comply with the 1000 volt-ampere limitation, Class 1 extra-low-voltage power circuit sources including transformers shall not exceed a maximum power output of 2500 volt-amperes, and the product of the maximum cur-

rent and maximum voltage shall not exceed 10,000 volt-amperes with the overcurrent protection bypassed.

16-112 Conductor Material and Sizes

(1) Copper conductors smaller than No. 14 AWG may be used in Class 1 circuits if:

- (a) Installed in a raceway;
 - (b) Installed in a cable approved for the purpose; or
 - (c) Within a flexible cord in accordance with Rule 4-010.
- (2) Subject to the conditions specified in Subrule (1), conductors shall be not smaller than:
- (a) No. 16 AWG for individual conductors pulled in raceways;
 - (b) No. 18 AWG for individual conductors laid in raceways; and
 - (c) No. 18 AWG for an integral assembly of two or more conductors.

16-114 Insulated Conductors for Class 1 Wiring

(1) Where conductors larger than No. 16 AWG copper are used in a Class 1 circuit, they shall be of any type shown in Table 19.

(2) Where conductors of No. 18 or No. 16 AWG copper are used in a Class 1 circuit, they shall be equipment wire of the type suitable for such use as indicated in Table 11.

16-116 Conductors of Different Circuits in the Same Enclosure, Cable, or Raceway

(1) Different Class 1 circuits shall be permitted to occupy the same enclosure, cable or raceway without regard to whether the individual circuits are alternating current or direct current, provided all conductors are insulated for the maximum voltage of any conductor in the enclosure, cable or raceway.

(2) Power supply conductors and Class 1 circuit conductors shall not be permitted in the same enclosure, cable or raceway except when connected to the same equipment, and all conductors are insulated for the maximum voltage of any conductor in the enclosure, cable or raceway.

16-118 Mechanical Protection of Remote-Control Circuits. Where mechanical damage to a remote-control circuit would result in a hazardous condition as outlined in Rule 16-010 all conductors of such remote-control circuits shall be installed in conduit, electrical metallic tubing, or be otherwise suitably protected from mechanical injury or other injurious condition such as moisture, excessive heat or corrosive action.

16-120 Class 1 Circuits Extending Aerially Beyond a Building. Class 1 circuits which extend aerially beyond a building shall comply with Rules 12-300 to 12-318.

Class 2 Circuits

16-200 Limitation of Class 2 Circuits

(1) Class 2 circuits, depending upon the voltage, shall have the current limited as follows:

(a) **0 to 15 volts.** Circuits in which the open-circuit is not greater than 15 volts shall have overcurrent protection of not more than 5-ampere rating, except that the overcurrent protection may be omitted if the current is supplied from:

- (i) Primary batteries which under short circuit will not supply a current exceeding 10 amperes after 1 minute;
- (ii) An approved Class 2 circuit transformer; or
- (iii) A device having characteristics which will limit the current under normal operating conditions or under fault conditions to a value not exceeding 5 amperes, and approved for the purpose;

(b) **Over 15 volts but not exceeding 30 volts.** Circuits in which the open-circuit voltage exceeds 15 volts but is not greater than 30 volts shall have overcurrent protection of not more than 3.2-ampere rating, except that the overcurrent protection may be omitted if the current is supplied from:

- (i) Primary batteries which under short circuit will not supply a current exceeding 5 amperes after 1 minute;
- (ii) An approved Class 2 circuit transformer; or
- (iii) A device having characteristics which will limit the current under normal operating conditions or under fault conditions to a value not exceeding 3.2 amperes, and approved for the purpose;

(c) **Over 30 volts but not exceeding 60 volts.** Circuits in which the open-circuit voltage exceeds 30 volts but is not greater than 60 volts shall have overcurrent protection of not more than 1.6-ampere rating, except that the overcurrent protection may be omitted if the current is supplied from:

- (i) An approved Class 2 circuit transformer; or
- (ii) A device having characteristics which will limit the current under normal operating conditions or under fault conditions to a value not exceeding 1.6 amperes, and approved for the purpose;

- (d) Over 60 volts but not exceeding 150 volts. Circuits in which the open-circuit voltage exceeds 60 volts but is not greater than 150 volts shall have overcurrent protection of not more than 1-ampere rating, and in addition shall be equipped with approved current-limiting means other than overcurrent protection, which will limit the current, either under normal operating conditions or under fault conditions, to not more than 1 ampere.

(2) Transformer devices supplying Class 2 circuits shall be approved for the purpose and be restricted in their rated output to not exceeding 100 volt-amperes.

(3) A device having energy-limiting characteristics may consist of a series resistor of suitable rating, or other similar device.

(4) A Class 2 power supply shall not be connected in series or parallel with another Class 2 power source.

16-202 Methods of Installation on Supply Side of Overcurrent Protection or Transformers or Other Devices for Class 2 Circuits. In Class 2 circuits, the conductors and equipment on the supply side of overcurrent protection, transformers, or current-limiting devices shall be installed in accordance with the requirements of other appropriate Sections of this Code.

16-204 Marking. A Class 2 power supply unit shall have permanent markings which shall be readily visible after installation to indicate the class of supply and its electrical rating.

16-206 Overcurrent Protection and Mounting for Class 2 Circuits

(1) Where overcurrent protection is applied to Class 2 circuits in accordance with Rule 16-200 such protection and its mounting shall be approved for the purpose.

(2) Overcurrent protection of different ratings shall not be of an interchangeable type.

(3) The overcurrent protection may be an integral part of a transformer or other power-supply device approved for the purpose.

16-208. Location of Overcurrent Devices. Overcurrent devices shall be located at the point where the conductor to be protected receives its supply.

16-210 Conductors for Class 2 Circuit Wiring

(1) Conductors for use in Class 2 circuits shall be approved, insulated, and suitable for the application as indicated in Table 19.

(2) Conductors shall be of copper and shall be not smaller than:

- (a) No. 16 AWG for individual conductors pulled into raceways;

- (b) No. 19 AWG for individual conductors laid in raceways;
- (c) No. 19 AWG for an integral assembly of two or more conductors;
- (d) No. 22 AWG for an integral assembly of four or more conductors;
- (e) No. 24 AWG for an integral assembly of six or more conductors; and
- (f) No. 26 AWG for an integral assembly of ten or more conductors.

(3) The maximum allowable current shall be as listed in Table 57 for sizes No. 16 AWG and smaller but, in no case shall exceed the current limitations of Rule 16-200.

16-212 Separation of Class 2 Circuit Conductors from Other Circuits

(1) Conductors of Class 2 circuits shall be separated at least 50 millimetres from insulated conductors of electric lighting, power or Class 1 circuits operating at 300 volts or less and shall be separated at least 600 millimetres from any insulated conductors of electric lighting, power or Class 1 circuits operating at more than 300 volts unless for both conditions effective separation is afforded by use of:

- (a) Grounded metallic raceways for the Class 2 circuits or for the electric lighting, power and Class 1 circuits;
- (b) Grounded metallic sheathed or armoured cable for the electric lighting, power and Class 1 circuit conductors;
- (c) Non-metallic sheathed cable for the electric lighting, power and Class 1 circuits operating at 300 volts or less; or
- (d) Non-metallic conduit, flexible tubing, porcelain tubing, or equivalent, in addition to the insulation on the Class 2 circuit conductors or the electric lighting, power and Class 1 circuit conductors.

(2) Where the electric lighting or power conductors are bare, all Class 2 circuit conductors in the same room or space shall be enclosed in a grounded metallic raceway and no opening, such as an outlet box, may be located within 2 metres of the bare conductors if up to and including 15 kilovolts or within 3 metres of bare conductors above 15 kilovolts.

(3) Unless the conductors of the Class 2 circuits are separated from the conductors of electric lighting, power and Class 1 circuits by an acceptable barrier, the conductors in Class 2 circuits shall not be placed in any raceway, compartment, outlet box, junction box or similar fitting with the conductors of electric lighting, power or Class 1 circuits.

(4) Subrule (3) shall not apply where the conductors of a power circuit are in the raceway, compartment, outlet box, junction box, or similar fitting for the sole purpose of supplying power to the Class 2 circuits, and all conductors are insulated for the maximum voltage of any conductor in the enclosure, cable or raceway, except that no Class 2 conductor installed in a raceway, compartment, outlet box, junction box, or similar fitting with such conductors of a power circuit shall show a green-coloured insulation, unless such Class 2 conductor is completely contained within a sheathed or jacketed cable assembly throughout the length that is present in such raceway or enclosure.

16-214 Conductors of Different Class 2 Circuits in the Same Cable, Enclosure, or Raceway. Conductors of two or more Class 2 circuits shall be permitted within the same cable, enclosure or raceway provided all conductors in the cable, enclosure or raceway are insulated for the maximum voltage of any conductor.

16-216 Penetration of a Fire Separation. Conductors of Class 2 circuits extending through a fire separation shall be in a totally enclosed, noncombustible raceway or the penetration shall be fire-stopped except where the conductors or group of conductors do not exceed 25 millimetres in overall diameter and penetrate a vertical fire separation.

16-218 Conductors in Vertical Shafts and Hoistways

(1) Class 2 conductors in a vertical shaft shall be in a totally enclosed noncombustible raceway.

(2) Where conductors of Class 2 circuits are installed in a hoistway, the conductors shall be installed in rigid metal conduit or electrical metallic tubing, or mineral-insulated or aluminum-sheathed cable shall be used but if the conduit, tubing or cable has an outer non-metallic covering, the covering shall be flame retardant and moisture resistant.

16-220 Equipment Located on the Load Side of Overcurrent Protection, Transformers, or Current-Limiting Devices for Class 2 Circuits

(1) Equipment located on the load side of overcurrent protection, transformers, or current-limiting devices for Class 2 circuits shall:

- (a) For Class 2 circuits operating at 30 volts or less, alternating current or direct current, be acceptable for the particular application; and
- (b) For Class 2 circuits operating at more than 30 volts, alternating current or direct current be suitable for the voltage range and application, be approved for the purpose and be arranged so that no live parts are accessible to unauthorized persons.

(2) Notwithstanding Subrule (1), lighting fixtures, and thermostats incorporating heat anticipators,

located on the load side of overcurrent protection, Class 2 transformers, or current-limiting devices shall be approved when connected to Class 2 circuits operating at 30 volts or less.

16-222 Class 2 Circuits Extending Beyond a Building. Where Class 2 circuits extend beyond a building and are run in such manner as to be subject to accidental contact with lighting or power conductors operating at a potential exceeding 300 volts between conductors, the conductors of the Class 2 circuit shall also meet the requirements of Section 60.

16-224 Class 2 Conductors and Equipment in Ducts and Plenum Chambers. Class 2 conductors and equipment shall not be placed in ducts or plenum chambers except as permitted by Rule 12-010, unless such conductors or equipment are acceptable for the purpose.

16-226 Underground Installations

(1) Underground installations of Class 2 circuits shall be installed in accordance with Rule 12-012.

(2) Direct buried Class 2 circuits shall maintain a minimum horizontal separation of 300 millimetres from other underground systems except when installed in accordance with Subrule (3).

(3) Direct buried Class 2 circuits may be placed at random separation in a common trench with power circuits which are for the sole purpose of supplying power to the Class 2 circuits provided that the Class 2 circuit is in a grounded metallic sheathed cable, the power circuit operates at 750 volts or less, and all conductors are insulated for the maximum voltage of any conductor in the trench.

SECTION 18—HAZARDOUS LOCATIONS

Scope and Introduction

18-000 Scope

(1) This Section applies to locations in which electrical equipment and wiring are subject to the conditions indicated by the following classifications.

(2) This Section is supplementary to, or amendatory of, the general requirements of this Code.

18-002 Classification. Hazardous locations shall be classified according to the nature of the hazard, as follows:

- (a) Class I locations are those in which flammable gases or vapours are or may be present in the air in quantities sufficient to produce explosive or ignitable mixtures;
- (b) Class II locations are those which are hazardous because of the presence of combustible or electrically conductive dusts; or
- (c) Class III locations are those which are hazardous because of the presence of easily ignitable fibres or flyings, but in which such fibres or flyings are not likely to be in suspension in air in quantities sufficient to produce ignitable mixtures.

18-004 Division of Class I Locations. Class I locations shall be further divided into two divisions as follows:

(a) Division 1, comprising Class I locations in which:

- (i) Hazardous concentrations of flammable gases or vapours exist continuously, intermittently, or periodically under normal operating conditions;
- (ii) Hazardous concentrations of flammable gases or vapours may exist frequently because of repair or maintenance operation or because of leakage; or
- (iii) Equipment is operated or processes carried on of such nature that breakdown or faulty operation thereof could result in the release of hazardous concentrations of flammable gases or vapours and simultaneous failure of electrical equipment;

(b) Division 2, comprising Class I locations in which:

- (i) Flammable volatile liquids, flammable gases or vapours are handled, processed, or used, but in which the liquids, gases, or vapours are normally confined within closed containers or closed systems from which they can escape only as a result of accidental rupture or breakdown of the containers or systems or the abnormal operation of the equipment by which the liquids or gases are handled, processed or used;
- (ii) Hazardous concentration of gases or vapours are normally prevented by positive mechanical ventilation, but which may become hazardous as the result of failure or abnormal operation of the ventilating equipment; or
- (iii) The location is adjacent to a Class I Division 1 location, from which a hazardous concentration of gases or vapours could be communicated, unless such communication is prevented by adequate positive-pressure ventilation from a source of clean air, and effective safeguards against ventilation failure are provided.

18-006 Division of Class II Locations. Class II locations shall be further divided into two divisions as follows:

(a) Division 1, comprising Class II locations in which:

- (i) Combustible dust is or may be in suspension in air continuously, intermittently, or periodically under normal operating conditions in quantities sufficient to produce explosive or ignitable mixtures;
- (ii) The normal or abnormal operation or the failure of equipment or apparatus might cause explosive or ignitable mixtures to be produced in, or in dangerous proximity to, electrical equipment or apparatus; or
- (iii) Dusts having the property of conducting electricity may be present;

(b) Division 2, comprising Class II locations in which combustible dusts are not normally in

suspension in air or likely to be thrown into suspension by the normal or abnormal operation or the failure of equipment or apparatus in quantities sufficient to produce explosive or ignitable mixtures, but in which:

- (i) Deposits or accumulations of dust may be sufficient to interfere with the safe dissipation of heat from electrical equipment or apparatus; or
- (ii) Deposits or accumulations of dust on, in, or near electrical equipment may be ignited by arcs, sparks, or burning material from the electrical equipment.

18-008 Division of Class III Locations. Class III locations shall be further divided into two divisions as follows:

- (a) Division 1, comprising Class III locations in which readily ignitable fibres or materials producing combustible flyings are handled, manufactured, or used; and
- (b) Division 2, comprising Class III locations in which readily ignitable fibres other than those in process of manufacture are stored or handled.

General

18-050 Electrical Equipment

(1) Where electrical equipment is required by this Section to be approved for the class of location, it shall also be approved for the specific gas, vapour, or dust that will be present.

(2) Such approval may be indicated by one or more of the following atmospheric group designations which have been established for the purposes of testing and approval:

- (a) Group A, comprising atmospheres containing Acetylene;
- (b) Group B, comprising atmospheres containing butadiene, ethylene oxide, hydrogen (or gases or vapours equivalent in hazard to hydrogen, such as manufactured gas), or propylene oxide;
- (c) Group C, comprising atmospheres containing acetaldehyde, cyclopropane, diethyl ether, ethylene, or unsymmetrical dimethyl hydrazine (UDMH), or other gases or vapours of equivalent hazard;
- (d) Group D, comprising atmospheres containing acetone, acrylonitrile, alcohol, ammonia, benzene, benzol, butane, ethylene dichloride, gasoline, hexane, isoprene, lacquer solvent vapours, naphtha, natural gas, propane, propylene, styrene, vinyl acetate, vinyl chloride, xylenes, or other gases or vapours of equivalent hazard;
- (e) Group E, comprising atmospheres containing metal dust, including aluminum, magnesium, and their commercial alloys, and other metals of similarly hazardous characteristics;

- (f) Group F, comprising atmospheres containing carbon black, coal, or coke dust; or
 - (g) Group G, comprising atmospheres containing flour, starch, or grain dust, and other dusts of similarly hazardous characteristics.
- (3) Notwithstanding Rule 18-050 (2) (b), where the atmosphere contains:
- (a) Butadiene, Group D equipment may be used if such equipment is isolated in accordance with Rule 18-106 (3) by sealing all conduit ½ inch size or larger; or
 - (b) Ethylene oxide or propylene oxide, Group C equipment may be used if such equipment is isolated in accordance with Rule 18-106 (3) by sealing all conduit ½ inch size or larger.

18-052 Marking

- (1) Electrical equipment approved for use in hazardous locations shall be so marked to indicate the class and for Classes I and II locations the group, or the specific gas, vapour, or dust, for which the equipment has been approved.
- (2) Electrical equipment approved for use in Class I hazardous locations may be marked with:
- (a) The maximum external temperature; or
 - (b) One of the following temperature codes to indicate the maximum external temperature:

Temperature Code	Maximum External Temperature
T1	450°C
T2	300°C
T2A	280°C
T2B	260°C
T2C	230°C
T2D	215°C
T3	200°C
T3A	180°C
T3B	165°C
T3C	160°C
T4	135°C
T4A	120°C
T5	100°C
T6	85°C

- (3) If no maximum external temperature marking is shown on Class I equipment approved for the class and group, the equipment, if of the heat producing type (which excludes junction boxes, conduit fittings, etc.), shall be considered as having the following maximum external temperature for the purpose of compliance with Rule 18-054.
- | | | |
|---------|---|-------|
| Group A | — | 280°C |
| Group B | — | 280°C |
| Group C | — | 160°C |
| Group D | — | 215°C |

18-054 Temperature. In Class I hazardous locations equipment shall not be installed in an area

where vapours or gases are present that have an ignition temperature less than the maximum external temperature of the equipment as referred to in Rule 18-052 (2) and (3).

18-056 Non-Essential Electrical Equipment

- (1) No electrical equipment shall be used in a hazardous location, unless it is essential to the processes being carried on therein.
- (2) Service equipment, panelboards, switchboards, and similar electrical equipment shall, where practicable, be located in rooms or sections of the building in which hazardous conditions do not exist.

18-058 Rooms, Sections, or Areas. Each room, section, or area, including motor- and generator-rooms and rooms for the enclosure of control equipment, shall be considered as a separate location for the purpose of determining the classification of the hazard.

18-060 Equipment Rooms

- (1) Where walls, partitions, floors or ceilings are used to form hazard-free rooms or sections, they shall be:
- (a) Of substantial construction;
 - (b) Built of or lined with noncombustible material; and
 - (c) Such as to ensure that the rooms or sections will remain free from hazards.
- (2) Where a non-hazardous location within a building communicates with a Class I, Division 2 location, a Class II location, or a Class III location, the locations shall be separated by close-fitting, self-closing, approved fire doors.
- (3) For communication from a Class I, Division 1 location the provisions of Rule 18-004 (b) (iii) shall apply.

18-062 Surge Protection. A wiring system in a hazardous location shall be protected against surges by:

- (a) Approved lightning arresters;
- (b) The interconnection of both high- and low-voltage arrester grounding wires and dead metal of the wiring system; and
- (c) Approved surge-protective electrical capacitors.

18-064 Metal-Covered Cable

- (1) Where mineral-insulated cable is used in hazardous locations, the cable terminations shall be made by experienced workmen strictly in accordance with the cable manufacturer's instructions, which shall include an insulation resistance test before the cable is energized to assure that moisture has not entered the mineral insulation prior to the application of the pot seal, and that the conductors have not been short-circuited or grounded while preparing the seal.
- (2) Surge protection as required by Rule 18-062 shall be such that for mineral-insulated cable in any

hazardous location a surge voltage level of 5 kilovolts on the cable will not be exceeded.

(3) Where single-conductor metal-covered cable is used in hazardous locations it shall be installed in such a manner as to prevent sparking between cable sheaths or between cable sheaths and ground, and:

- (a) Cables in the circuit shall be clipped or strapped together, in a manner which will ensure good electrical contact between metal coverings, at intervals of not more than 1.8 metres and the metal coverings shall be grounded; or
- (b) Cables in the circuit shall have the metal coverings continuously covered with insulating material and the metal coverings shall be bonded and grounded at one end only.

(4) Where mineral-insulated heating cable is used in hazardous locations it shall be specifically approved for the purpose and the hazardous location.

18-066 Air Pressurized Electric Wiring Systems. By special permission, electrical equipment and associated wiring in Class I locations may be so constructed and arranged as to maintain a positive air pressure or inert gas pressure within the enclosures of the electrical equipment and associated wiring, in which case the provisions of Rules 18-100 to 18-184 of this Code need not apply, but such installations shall be made to the satisfaction of the inspection department.

18-068 Intrinsically Safe Electrical Equipment and Wiring

(1) Electrical equipment and associated wiring approved as intrinsically safe may be installed in any hazardous location for which it is approved, and the provisions of Rules 18-100 to 18-380 of this Code need not apply.

(2) Raceways for intrinsically safe wiring and equipment in Class I locations shall be properly sealed to prevent migration of gas or vapour into enclosures or raceways required to be explosion-proof, as well as to other locations.

(3) The conductors in an intrinsically safe circuit shall not be placed in any raceway, compartment, outlet, junction box, or similar fitting with the conductors of any other system, unless the conductors of the two systems are separated by a suitable barrier.

18-070 Cabletroughs and Ventilated Flexible Cableway. Cabletroughs and ventilated flexible cableway shall not be used to support cables in hazardous locations except where:

- (a) The type of cable is approved in rules of this Section for use in the particular hazardous location;
- (b) The type of cable is approved for use in cabletroughs and ventilated flexible cableway in accordance with Rules 12-2204 and 12-2304 respectively; and
- (c) There can be no hazardous accumulation of combustible process dust or fibre in or upon the

cable, the cabletrough, the ventilated flexible cableway, or the supports.

CLASS I LOCATION

Installation in Class I, Division 1 Locations

18-100 Transformers and Capacitors, Class I, Division 1

(1) Transformers and electrical capacitors which contain a liquid that will burn shall be installed in electrical equipment vaults in accordance with Rules 26-350 to 26-356, and:

- (a) There shall be no door or other connecting opening between the vault and the hazardous area;
- (b) The vault shall be so ventilated as to ensure the continuous removal of hazardous gases or vapours;
- (c) Vent-openings or vent-ducts shall lead to a safe location outside the building containing the vault;
- (d) Vent-openings and vent-ducts shall be of sufficient area to relieve pressure caused by explosions within the vault; and
- (e) Every portion of a vent-duct within the building shall be constructed of reinforced concrete.

(2) Transformers and electrical capacitors which do not contain a liquid that will burn shall be:

- (a) Installed in electrical equipment vaults conforming to Subrule (1); or
- (b) Of explosionproof type approved for Class 1 locations.

18-102 Meters, Instruments, and Relays, Class I, Division 1

(1) Where practicable, meters, instruments, and relays, including kilowatt-hour meters, instrument transformers and resistors, rectifiers and thermionic tubes shall be located outside the hazardous location.

(2) Where it is not practicable to install meters, instruments, and relays outside Class I, Division 1 locations, they shall be provided with explosion-proof enclosures approved for Class I locations.

18-104 Wiring Methods, Class 1, Division 1

(1) The wiring method shall be threaded rigid metal conduit or cables approved for hazardous locations with associated termination fittings approved for the particular hazardous location.

(2) All boxes, fittings, and joints shall be threaded for connection to conduit or cable terminations, and shall be explosionproof with boxes and fittings approved for Class 1 locations.

(3) Threaded joints shall have at least five full threads fully engaged and running threads shall not be used.

(4) Cables shall be installed and supported in a manner to avoid tensile stress at the termination fittings.

(5) Where it is necessary to use flexible connections at motor terminals and similar places, flexible fittings of the explosionproof type approved for the location shall be used.

18-106 Sealing, Class I, Division 1

(1) Seals shall be provided in conduit systems to prevent the passage of gases, vapours or flames from one portion of the electrical installation to another through the conduit.

(2) Passage of gases, vapours or flames through mineral-insulated cable other than the light-weight type is inherently prevented by construction of the cable, but sealing compound shall be used in cable termination fittings to exclude moisture and other fluids from the cable insulation, and shall be of a type approved for the conditions of use.

(3) Seals shall be located:

(a) In each run of conduit entering an enclosure for switches, circuit breakers, fuses, relays, resistors, or other apparatus which may produce arcs, sparks, or high temperatures and shall be as close as practicable to and in no case more than 450 millimetres from the enclosure, with no junction box or similar enclosure in the conduit run between the sealing fitting and the apparatus enclosure;

(b) In each run of conduit of 2-inch size or larger entering an enclosure or fitting housing terminals, splices, or taps, and within 450 millimetres of such enclosure or fitting;

(c) In each run of conduit leaving a Class I, Division 1 location with no box, coupling, or fitting in the conduit run between the seal and the point at which the conduit leaves the location, except that a rigid unbroken conduit which passes completely through a Class I, Division 1 area with no fittings 300 millimetres beyond each boundary, providing the termination points of the unbroken conduit are in non-hazardous areas, need not be sealed.

(4) Where seals are required they shall conform to the following:

(a) The seal shall be made:

(i) In a field installed sealing fitting which shall be accessible and approved for the location; or

(ii) In a sealing fitting provided as part of an approved enclosure and where the seal is factory-made the enclosure shall be so marked to indicate that such a seal is provided, except that motors and generators approved for the location need not be so marked;

(b) Sealing compound shall be approved for the purpose, shall not be affected by the surrounding atmosphere or liquids, and shall not have a melting point of less than 93 °C;

(c) In the completed seal, the minimum thickness of the sealing compound shall be not less than the trade size of the conduit, and in no case less than $\frac{5}{8}$ inch;

(d) Splices and taps shall not be made in fittings intended only for sealing with compound, nor shall other fittings in which splices or taps are made be filled with compound;

(e) Where there is a probability that liquid or other condensed vapour may be trapped within enclosures for control equipment or at any point in the raceway system, approved means shall be provided to prevent accumulation or to permit periodic draining of such liquid or condensed vapour; and

(f) Where the authority enforcing this Code judges that there is a probability that liquid or condensed vapour may accumulate within motors or generators, joints and conduit systems shall be arranged to minimize entrance of liquid, but if means to prevent accumulation or permit periodic draining are judged necessary, such means shall be provided at the time of manufacture, and shall be deemed an integral part of the machine.

18-108 Switches, Motor Controllers, Circuit-Breakers and Fuses, Class I, Division 1. Switches, motor controllers, circuit-breakers and fuses, including push buttons, relays, and similar devices shall be provided with enclosures, and the enclosure in each case together with the enclosed apparatus shall be approved as a complete assembly for use in Class I locations.

18-110 Control Transformers and Resistors, Class I, Division 1. Transformers, impedance coils and resistors used as or in conjunction with control equipment for motors, generators and appliances and the switching mechanism, if any, associated with them, shall be provided with explosionproof enclosures approved for Class I locations.

18-112 Motors and Generators, Class I, Division 1. Motors, generators, and other rotating electrical machines shall be of the explosionproof type approved for Class I locations.

18-114 Lighting Fixtures, Class I, Division 1

(1) Fixtures for fixed and portable lighting shall be approved as complete assemblies for Class I locations and shall be clearly marked to indicate the maximum wattage of lamps for which they are approved.

(2) Fixtures intended for portable use shall be specifically approved as complete assemblies for that use.

(3) Each fixture shall be protected against physical damage by a suitable guard or by location.

(4) Pendent fixtures shall be:

(a) Suspended by and supplied through threaded rigid conduit stems, and threaded joints shall be provided with set screws or other effective means to prevent loosening;

(b) For stems longer than 300 millimetres provided with permanent and effective bracing against lateral displacement at a level not more than 300 millimetres above the lower end of the stem or provided with flexibility in the form of a fitting or flexible connector approved for the purpose and for the location not more than 300 millimetres from the point of attachment to the supporting box or fitting.

(5) Boxes, box assemblies or fittings used for the support of lighting fixtures shall be approved for the purpose and for Class I locations.

18-116 Utilization Equipment, Fixed and Portable, Class I, Division 1. Utilization equipment, fixed and portable, including electrically-heated and motor-driven equipment, shall be approved for Class I locations.

18-118 Flexible Cords, Class I, Division 1. Flexible cords may be used only for connection between a portable lamp or other portable utilization equipment and the fixed portion of its supply circuit and where used shall:

- (a) Be of a type approved for extra hard usage;
- (b) Contain, in addition to the conductors of the circuit, a grounding conductor; and
- (c) Be provided with glands approved for the class and group where the flexible cord enters a box, fitting or enclosure of the explosionproof type.

18-120 Receptacles and Attachment Plugs, Class I, Division 1. Receptacles and attachment plugs shall be of the type providing for connection to the grounding conductor of the flexible cord, and shall be approved for Class I locations.

18-122 Conductor Insulation, Class I, Division 1. Where condensed vapours or liquids may collect on or come in contact with the insulation on conductors, such insulation shall be of a type approved for use under such conditions or the insulation shall be protected by a sheath of lead or by other approved means.

18-124 Signal, Alarm, Remote-Control, and Communication Systems, Class I, Division 1

(1) Where all or part of the apparatus and equipment of signal, alarm, remote-control, and communication system of any voltage is contained in Class I, Division 1 locations the apparatus and equipment shall be approved for Class I locations.

(2) The wiring of the system shall comply with Rule 18-104.

18-126 Live Parts, Class I, Division 1. No live parts of electrical equipment or of an electrical installation shall be exposed.

18-128 Grounding and Bonding, Class I, Division 1

(1) Exposed non-current-carrying metal parts of electrical equipment, including the frames or metal exteriors of motors, fixed or portable lamps or other utilization equipment, lighting fixtures, cabinets, cases, and conduit shall be grounded in accordance with Section 10.

(2) The grounding path continuity and adequacy in a hazardous location and in a non-hazardous location from which the hazardous location is supplied, shall be ensured by the use of threaded connections, bonding jumpers with proper fittings, or other approved means, meeting the requirements of Rule 10-612.

Installation in Class I, Division 2 Locations

18-150 Transformers and Capacitors, Class I, Division 2. Transformers and capacitors shall conform to Section 26 of this Code.

18-152 Meters, Instruments, and Relays, Class I, Division 2

(1) Where practicable, meters, instruments, and relays, including kilowatt-hour meters, instrument transformers and resistors, rectifiers and thermionic tubes, shall be located outside the hazardous location.

(2) Where it is not practicable to install meters, instruments, and relays outside Class I, Division 2 locations, they shall conform to the following:

(a) Meters, instruments, and relays in which are incorporated contacts for making or breaking current shall be provided with explosionproof enclosures approved for Class I locations, but general purpose enclosures may be used where the contacts are:

(i) Immersed in oil; or

(ii) Enclosed within a chamber hermetically sealed against the entrance of gases or vapours; or

(iii) In acceptable non-incendive circuits;

(b) Resistors, resistance devices, thermionic tubes, and rectifiers, which are used in or in connection with meters, instruments, and relays, shall be provided with explosionproof enclosures approved for Class I locations, except that enclosures may be of the general purpose type when such equipment is without make-and-break or sliding contacts (other than contacts used in conjunction with thermocouples or in other non-incendive circuits) and when the maximum operating temperature or any exposed surface will not exceed 80 per cent of the ignition temperature in degrees Celsius of the gas or vapour involved as determined by ASTM Standard D2155-66, Test for Auto-ignition Temperature of Liquid Petroleum Products;

(c) Transformer windings, impedance coils, solenoids, and other windings which do not incorpo-

rate sliding, or make and break contacts, shall be provided with enclosures which may be of the general-purpose type where vents adequate to permit prompt escape of any gases or vapours are provided; and

(d) Where an assembly is made up of components for which general-purpose enclosures are acceptable by this Rule:

(i) A single general-purpose enclosure may be provided for the assembly; and

(ii) Where such an assembly includes any of the equipment described in Paragraph (b) the maximum obtainable surface temperature of any component of the assembly shall be clearly and permanently indicated on the outside of the enclosure, unless the complete assembly is approved for the location.

18-154 Wiring Methods, Class I, Division 2

(1) The wiring method shall be threaded rigid metal conduit or cables approved for hazardous locations with associated termination fittings approved for the particular hazardous location.

(2) Cables shall be installed and supported in a manner to avoid tensile stress at the termination fittings.

(3) Where it is necessary to use flexible connections at motor terminals and similar places, flexible conduit may be used.

(4) Boxes, fittings and joints need not be explosion-proof except as required by Rule 18-106 (4).

18-156 Sealing, Class I, Division 2

(1) Seals shall be provided in conduit systems to prevent the passage of gases, vapours, or flames from one portion of the electrical installation to another through the conduit.

(2) Passage of gases, vapours, or flames through mineral-insulated cable other than the light-weight type is inherently prevented by construction of the cable, but sealing compound shall be used in cable termination fittings to exclude moisture and other fluids from the cable insulation, and shall be of a type approved for the conditions of use.

(3) Seals shall be located:

(a) In each run of conduit entering an enclosure which is required to be explosionproof, as close as practicable to, and, in no case, more than 450 millimetres from the enclosure, with no junction box or similar enclosure in the conduit run between the sealing fitting and the apparatus enclosure;

(b) In each run of conduit leaving Class I, Division 2 location with no box, coupling, or fitting in the conduit run between the seal and the point at which the conduit leaves the location, except that rigid unbroken conduit which passes completely through a Class I, Division 2 area with no fittings 300 millimetres beyond

each boundary, providing the termination points of the unbroken conduit are in non-hazardous areas, need not be sealed.

(4) Where a run of conduit enters an enclosure which is required to be explosionproof, every part of the conduit from the seal to the explosionproof enclosure shall comply with Rule 18-104.

(5) Where seals are required, Rule 18-106 (4) shall apply.

18-158 Switches, Controllers, and Circuit Breakers Class I, Division 2. Where circuit breakers, controllers and switches are intended to interrupt electrical current in the normal performance of the function for which they are installed, they shall be provided with enclosures approved for Class I locations, unless general-purpose enclosures are provided and:

(a) The interruption of current occurs within a chamber hermetically sealed against the entrance of gases and vapours; or

(b) The current-interrupting contacts are immersed in oil, and the device is approved for locations of this class and division.

18-160 Isolating Switches, Class 1, Division 2. Isolating switches shall conform to the following:

(a) They shall be so interlocked with their associated current-interrupting devices that they cannot be opened under load; and

(b) They may have enclosures of the general-purpose type, provided they are unfused.

18-162 Fuses for Motors, Appliances, and Portable Lamps, Class I, Division 2. Where fuses are used in Class I, Division 2 locations for the protection of motors, appliances, and portable lamps:

(a) A standard plug or cartridge fuse may be used if placed within an explosionproof enclosure approved for the class of the location; or

(b) A fuse of a type in which the operating element is immersed in oil or other approved liquid, or is enclosed within a chamber hermetically sealed against the entrance of gases and vapours, may be used if approved for the purpose and placed within a general-purpose enclosure.

18-164 Sets of Fuses or Circuit Breakers for Fixed Lighting, Class I, Division 2.

(1) In this Rule, "sets of fuses" means a group containing as many fuses as are required to perform a single protective function in a circuit, but excluding fuses conforming to Rule 18-162.

(2) Where:

(a) Not more than 10 sets of approved enclosed fuses; or

(b) Not more than 10 circuit breakers which are not used as switches for the normal operation of the lamps,

are installed in Class I, Division 2 locations for the protection of a branch circuit or a feeder circuit which supplies only lamps in a fixed position, the enclosures

for the fuses or circuit breakers may be of the general-purpose type.

18-166 Control Transformers and Resistors, Class I, Division 2

(1) Where switching mechanisms are used in conjunction with transformers, impedance coils, or resistors, they shall comply with Rule 18-158.

(2) The enclosures for the windings of transformers or impedance coils may be of the general-purpose type but shall be provided with vents adequate to permit the prompt escape of gases or vapours which may enter the enclosure.

(3) Resistors shall be provided with explosionproof enclosures approved as complete assemblies with the resistors for Class I locations, unless the resistance is non-variable and the maximum operating temperature in degrees Celsius will not exceed 80 per cent of the ignition temperature of the gas or vapour involved as determined by ASTM Standard D2155-66, Test for Autoignition Temperature of Liquid Petroleum Products.

18-168 Motors and Generators, Class I, Division 2

(1) Motors, generators, and other rotating electrical machines, in which are incorporated arcing or spark producing components or integral resistance devices shall be of the explosionproof type approved for Class I locations unless the arcing or spark producing components or integral resistance devices are provided with enclosures approved for Class I locations.

(2) Motors, generators, and other rotating electrical machines which do not incorporate arcing or spark producing components or integral resistance devices may be of the open or non-explosionproof type.

18-170 Ignition Systems for Stationary Internal Combustion Engines, Class I, Division 2
Ignition systems for stationary internal combustion engines shall have explosion-proof components or non-incendive circuits and the complete assembly shall be approved for Class I, Division 2 locations.

18-172 Lighting Fixtures, Class 1, Division 2.

(1) Lighting fixtures shall conform to the following:

(a) Portable lamps shall conform to Rule 18-114 (1) and (2); and

(b) Fixed lighting:

(i) Shall be protected from physical damage by acceptable guards or by location;

(ii) Shall be approved as complete assemblies for Class I, Division 2 locations and shall be clearly marked to indicate the maximum wattage, voltage, and specific type designations of the lamps for which they are approved.

(2) Pendent fixtures shall be:

(a) Suspended by threaded rigid conduit stems or by other approved means;

(b) For stems longer than 300 millimetres, provided with permanent and effective bracing against lateral displacement at a level not more than 300 millimetres above the lower end of the stem, or flexibility in the form of a fitting or flexible connector approved for the purpose shall be provided not more than 300 millimetres from the point of attachment to the supporting box or fitting.

(3) Boxes, box assemblies, or fittings used for the support of lighting fixtures shall be approved for the purpose.

(4) Switches which are part of an assembled fixture or of an individual lampholder shall conform to Rule 18-158.

(5) Starting and control equipment for mercury-vapour and fluorescent lamps shall conform to Rule 18-166.

18-174 Utilization Equipment, Fixed and Portable, Class I, Division 2

(1) Electrically heated utilization equipment, whether fixed or portable, shall be approved for Class I locations.

(2) Motors of motor-driven utilization equipment shall conform to Rule 18-168.

(3) Switches, circuit breakers, and fuses forming part of or used in connection with utilization equipment, shall conform to Rules 18-158 to 18-162.

18-176 Flexible Cords, Class I, Division 2. Flexible cords shall conform to Rule 18-118.

18-178 Receptacles and Attachment Plugs, Class I, Division 2. Receptacles and attachment plugs shall conform to Rule 18-120.

18-180 Signal, Alarm, Remote-Control, and Communication Systems, Class I, Division 2

(1) Switches and circuit breakers, and make-and-break contacts of push buttons, relays, and alarm bells or horns shall have explosionproof enclosures approved for Class I locations unless general-purpose enclosures are provided and current-interrupting contacts are:

(a) Immersed in oil;

(b) Enclosed within a chamber hermetically sealed against the entrance of gases or vapours; or

(c) In acceptable non-incendive circuits.

(2) Resistors, resistance devices, thermionic tubes, and rectifiers used in a Class I, Division 2 location shall conform to Rule 18-152 (2) (b).

(3) Enclosures, which may be of the general-purpose type, shall be provided for lightning protective devices and for fuses.

18-182 Live Parts, Class I, Division 2. No live parts of electrical equipment or of an electrical installation shall be exposed.

18-184 Grounding and Bonding, Class I, Division 2. Electrical equipment shall be grounded in the manner required by Rule 18-128.

CLASS II LOCATIONS

Installations in Class II, Division 1 Locations

18-200 Transformers and Capacitors, Class II, Division 1

(1) Transformers and electrical capacitors which contain a liquid that will burn shall be installed in electrical equipment vaults in accordance with Rules 26-350 to 26-356; and

- (a) Doors or other openings communicating with the hazardous area shall have self-closing fire doors on both sides of the wall, and the doors shall be carefully fitted and provided with suitable seals (such as weather stripping) to minimize the entrance of dust into the vault;
- (b) Vent openings and ducts shall communicate only with the air outside the building; and
- (c) Suitable pressure-relief openings communicating only with the air outside the building shall be provided.

(2) Transformers and electrical capacitors which do not contain a liquid that will burn shall be:

- (a) Installed in electrical equipment vaults conforming to Subrule (1); or
- (b) Approved as a complete assembly including terminal connections for Class II locations.

(3) No transformer or capacitor shall be installed in a location where dust from magnesium, aluminum, aluminum bronze powders, or other metals of similarly hazardous characteristics may be present.

18-202 Wiring Methods, Class II, Division 1

(1) The wiring method shall be threaded rigid metal conduit or cables approved for hazardous locations with associated termination fittings approved for the particular hazardous location.

(2) Boxes, fittings and joints shall be threaded for connection to conduit or cable terminations, and boxes and fittings shall be approved for Class II locations.

(3) Cables shall be installed and supported in a manner to avoid tensile stress at the termination fittings.

(4) Where it is necessary to use flexible connections, flexible connection fittings approved for the location, liquid-tight flexible metal conduit with fittings approved for such conduit, or flexible cord approved for extra-hard usage and provided with bushed fittings shall be used, except that where dusts are of an electrically conducting nature, liquid-tight flexible metal conduit shall not be used, and flexible cords shall be provided with bushed fittings approved for the location.

(5) Where flexible connections are subject to oil or other corrosive conditions, the insulation of the conductors shall be of a type approved for the condition or shall be protected by means of a suitable sheath.

18-204 Sealing, Class II, Division 1. Where a raceway provides communication between an enclosure which is required to be dust-tight and one which is not, the entrance of dust into the dust-tight enclosure through the raceway shall be prevented by:

- (a) A permanent and effective seal;
- (b) A horizontal section not less than 3 metres long in the raceway; or
- (c) A vertical section of raceway not less than 1.5 metres long and extending downward from the dust-tight enclosure.

18-206 Switches, Controllers, Circuit Breakers, and Fuses, Class II, Division 1. Switches, motor controllers, circuit breakers, and fuses, including push buttons, relays, and similar devices shall be provided with a dust-tight enclosure approved for Class II locations.

18-208 Control Transformers and Resistors, Class II, Division 1. Transformers, impedance coils, and resistors used as or in conjunction with control equipment for motors, generators or electric appliances and the overcurrent devices or switching mechanisms, if any, associated with them shall be provided with a dust-tight enclosure approved for Class II locations.

18-210 Motors and Generators, Class II, Division 1. Motors, generators, and other rotating electrical machines shall be approved for Class II locations.

18-212 Ventilating Pipes, Class II, Division 1

(1) Every vent pipe for a motor, generator, or other rotating electrical machine or for enclosures for electrical apparatus or equipment shall:

- (a) Be of metal not less than 0.0209 inch (No. 24 MSG) thick or of an equally substantial non-combustible material;
- (b) Lead directly to a source of clean air outside a building;
- (c) Be screened at the outer end to prevent the entrance of animals or birds; and
- (d) Be protected against mechanical damage and corrosion.

(2) Every vent pipe and its connection to a motor or to a dust-tight enclosure for other equipment or apparatus shall be dust-tight throughout its entire length.

(3) The seams and joints of every metal vent pipe shall be:

- (a) Riveted and soldered;
- (b) Bolted and soldered;
- (c) Welded; or
- (d) Rendered dust-tight by some other equally effective means.

- (4) No exhaust pipe shall discharge inside a building.

18-214 Utilization Equipment, Fixed and Portable, Class II, Division 1. Utilization equipment, fixed and portable, including electrically heated and motor-driven equipment shall be approved for Class II locations.

18-216 Lighting Fixtures, Class II, Division 1

(1) Fixtures for fixed and portable lighting shall be approved as complete assemblies for Class II locations and shall be clearly marked to indicate the maximum wattage of lamps for which they are approved.

(2) Fixtures intended for portable use shall be specifically approved as complete assemblies for that use.

(3) Each fixture shall be protected against physical damage by a suitable guard or by location.

(4) Pendent fixtures shall be:

(a) Suspended by threaded rigid conduit stems or chains with approved fittings or by other approved means which shall not include a flexible cord as the supporting medium, and threaded joints shall be provided with set screws or other effective means to prevent loosening;

(b) For rigid stems longer than 300 millimetres, provided with permanent and effective bracing against lateral displacement at a level not more than 300 millimetres above the lower end of the stem, or provided with flexibility in the form of a fitting or flexible connector approved for the purpose and for the location not more than 300 millimetres from the point of attachment to the supporting box or fitting; and

(c) Where wiring between an outlet box or fitting and the fixture is not enclosed in conduit, provided with a flexible cord approved for extra hard usage and suitable seals where the cord enters the fixture and the outlet box or fitting.

(5) Boxes, box assemblies or fittings used for the support of lighting fixtures shall be approved for the purpose and Class II locations.

18-218 Flexible Cords, Class II, Division 1. Flexible cords used shall:

(a) Be of a type approved for extra hard usage;

(b) Contain a grounding conductor in addition to the conductors of the circuit; and

(c) Be provided with glands approved for the class and group to prevent the entrance of dust at the point where the cord enters a box or fitting which is required by this Section to be dust-tight.

18-220 Receptacles and Attachment Plugs, Class II, Division 1. Receptacles and attachment plugs shall be approved for Class II locations.

18-222 Signal, Alarm, Remote-Control, and Communication Systems, Class II, Division 1

(1) Where all or part of the apparatus and equipment of signal, alarm, remote-control, and communication systems is contained in Class II, Division 1 locations the apparatus and equipment shall be provided with dust-tight enclosures approved for Class II locations, except that:

(a) Devices which carry or interrupt only a voice current need not be provided with such enclosures; and

(b) Current-breaking contacts which are immersed in oil or enclosed in a chamber sealed against the entrance of dust may be provided with a general-purpose enclosure if the prevailing dust is electrically non-conductive.

(2) The wiring of the system shall comply with Rule 18-202.

18-224 Live Parts, Class II, Division 1. No live parts of electrical equipment or of an electrical installation shall be exposed.

18-226 Grounding and Bonding, Class II, Division 1. Electrical equipment shall be grounded in the manner prescribed by Rule 18-128.

Installation in Class II, Division 2 Locations

18-250 Transformers and Capacitors, Class II, Division 2

(1) Transformers and electrical capacitors which contain a liquid that will burn shall be installed in electrical equipment vaults in accordance with Rules 26-350 to 26-356.

(2) Transformers and electrical capacitors which contain a liquid that will not burn shall be:

(a) Installed in electrical equipment vaults in accordance with Rules 26-350 to 26-356; or

(b) Approved for Class II locations.

(3) Dry core transformers installed in Class II, Division 2 locations shall:

(a) Be installed in electrical equipment vaults in accordance with Rules 26-350 to 26-356; or

(b) Have their windings and terminal connections enclosed in tight metal housings without ventilating or other openings and operate at not more than 750 volts.

18-252 Wiring Methods, Class II, Division 2

(1) The wiring method shall be threaded rigid metal conduit or cables approved for hazardous locations with associated termination fittings approved for the particular hazardous location.

(2) Boxes and fittings in which taps, joints or terminal connections are made shall be designed to minimize the entrance of dust, and shall:

- (a) Be provided with telescoping or close-fitting covers, or other effective means to prevent the escape of sparks or burning material; and
- (b) Have no openings, such as holes for attachment screws, through which, after installation, sparks or burning material might escape, or through which exterior accumulations of dust or adjacent combustible material might be ignited.

(3) Cables shall be installed and supported in a manner to avoid tensile stress at the termination fittings.

(4) Where it is necessary to use flexible connections the provisions of Rule 18-202 (4) and (5) shall apply.

18-254 Sealing, Class II, Division 2. Sealing of raceways shall conform to Rule 18-204.

18-256 Switches, Controllers, Circuit Breakers, and Fuses, Class II, Division 2

(1) Except as provided by Subrule (2), switches, motor controllers, circuit breakers and fuses, including push buttons, relays and similar devices shall be provided with tight metal enclosures which shall be designed to minimize the entrance of dust, and which shall:

- (a) Be equipped with telescoping or close-fitting covers, or with other effective means to prevent the escape of sparks or burning material; and
- (b) Have no openings, such as holes for attachment screws, through which, after installation, sparks or burning material might escape, or through which exterior accumulations of dust or adjacent combustible material might be ignited.

(2) In locations where dust from magnesium, aluminum, aluminum bronze powders, or other metals of similarly hazardous characteristics may be present, switches, motor controllers, circuit breakers and fuses shall have dust-tight enclosures approved for such locations.

18-258 Control Transformers and Resistors, Class II, Division 2

(1) Switching mechanisms, including overcurrent devices, used in conjunction with control transformers, impedance coils, and resistors shall be provided with enclosures conforming to Rule 18-256.

(2) Where not located in the same enclosure with switching mechanisms, control transformers and impedance coils shall be provided with tight metal housings without ventilating openings.

(3) Resistors and resistance devices shall have dust-tight enclosures approved for Class II locations, except that where the maximum normal operating temperature of the resistor will not exceed 120°C nonadjustable resistors and resistors which are part of an automatically timed starting sequence may have enclosures conforming to Subrule (2).

18-260 Motors and Generators, Class II, Division 2

(1) Except as provided in Subrule (2), motors, generators, and other rotating electrical machinery shall be:

- (a) Approved for Class II, or Class II, Division 2 locations; or
- (b) Ordinary totally enclosed pipe-ventilated or totally enclosed fan-cooled subject to the following:
 - (i) The winding insulation shall be Class A or Class B; and
 - (ii) If drain holes are provided they shall be closed with threaded plugs.

(2) Where, in the judgment of an inspector, only moderate quantities of non-conducting, non-abrasive dust are likely to accumulate in a location and the equipment in the location is readily accessible for routine maintenance, there may be installed in the location;

- (a) Standard open-type machines having Class A insulation without sliding contacts, centrifugal or other types of switching mechanism, including motor overcurrent devices or integral resistance devices; and
- (b) Standard open-type machines having Class A insulation which have the contacts, switching mechanisms, or resistance devices enclosed in accordance with Rule 18-256.

18-262 Ventilation Pipes, Class II, Division 2

(1) Vent pipes for motors, generators, or other rotating electrical machinery, or for enclosures for electrical apparatus or equipment, shall conform to Rule 18-212 (1).

(2) Vent pipes and their connections shall be sufficiently tight to prevent the entrance of appreciable quantities of dust into the ventilated equipment or enclosure, and to prevent the escape of sparks, flame or burning material which might ignite accumulations of dust or combustible material in the vicinity.

(3) Where metal vent pipes are used, lock seams and riveted or welded joints may be used and, where some flexibility is necessary, as at connections to motors, tight-fitting slip joints may be used.

18-264 Utilization Equipment, Fixed and Portable, Class II, Division 2

(1) Electrically heated utilization equipment, whether fixed or portable, shall be approved for Class II locations.

(2) Motors of motor-driven utilization equipment shall conform to Rule 18-260.

(3) The enclosure for switches, circuit breakers, and fuses shall conform to Rule 18-256.

(4) Transformers, impedance coils, and resistors forming part of or used in connection with utilization equipment shall conform to Rule 18-258 (2), (3).

(5) Where portable utilization equipment may be used in Class II, Division 1 locations and in Class II, Division 2 locations, it shall conform to Rule 18-214.

18-266 Lighting Fixtures, Class II, Division 2

(1) Lighting fixtures shall conform to the following:

- (a) Portable lamps shall be approved as complete assemblies for Class II locations and shall be clearly marked to indicate the maximum wattage of lamps for which they are approved; and
- (b) Fixed lighting, shall:
 - (i) Be protected from physical damage by acceptable guards or by location;
 - (ii) Provide enclosures for lamps and lamp-holders which shall be designed to minimize the deposit of dust on lamps and to prevent the escape of sparks, burning material or hot metal;
 - (iii) Be clearly marked to indicate the maximum wattage of lamps for which they may be used without exceeding a maximum exposed surface temperature of 165°C under normal conditions of use.

(2) Pendent fixtures shall be:

- (a) Suspended by threaded rigid conduit stems or chains with approved fittings, or by other approved means, which shall not include flexible cord as the supporting medium;
- (b) For rigid stems longer than 300 millimetres provided with permanent and effective bracing against lateral displacement at a level not more than 300 millimetres above the lower end of the stem, or provided with flexibility in the form of a fitting or flexible connector approved for the purpose not more than 300 millimetres from the point of attachment to the supporting box or fitting; and
- (c) Where wiring between an outlet box or fitting and the fixture is not enclosed in conduit, provided with a flexible cord approved for extra hard usage.

(3) Boxes, box assemblies or fittings used for the support of lighting fixtures shall be approved for that purpose.

(4) Starting and control equipment for mercury vapour and fluorescent lamps shall conform to Rule 18-258.

18-268 Flexible Cords, Class II, Division 2. Flexible cords shall conform to Rule 18-218.

18-270 Receptacles and Attachment Plugs, Class II, Division 2. Receptacles and attachment plugs shall be:

- (a) Of a polarized type which affords automatic connection to the grounding conductor of the flexible supply cord; and
- (b) Designed so that the connection to the supply circuit cannot be made or broken while live parts are exposed.

18-272 Signal, Alarm, Remote-Control, and Communication Systems, Class II, Division 2. Where all or part of the apparatus and equipment of signal, alarm, remote-control, and communication systems is contained in Class II, Division 2 locations:

- (a) Contacts which interrupt other than voice currents shall be enclosed in conformity with Rule 18-256;
- (b) The windings and terminal connections of transformers and choke coils which may carry other than voice currents shall be provided with tight metal enclosures without ventilating openings; and
- (c) Resistors, resistance devices, thermionic tubes, and rectifiers which may carry other than voice currents shall be provided with dust-tight enclosures approved for Class II locations, except that where the maximum normal operating temperature of thermionic tubes, non-adjustable resistors or rectifiers will not exceed 120°C such devices may have tight metal enclosures without ventilating openings.

18-274 Live Parts, Class II, Division 2. No live parts of electrical equipment or of an electrical installation shall be exposed.

18-276 Grounding and Bonding, Class II, Division 2. All electrical equipment shall be grounded in the manner required by Rule 18-128.

Class III Locations

Installation in Class III, Division 1 Locations

18-300 Transformers and Capacitors, Class III, Division 1. Transformers and electrical capacitors shall conform to Rule 18-250.

18-302 Wiring Methods, Class III, Division 1

(1) The wiring method shall be threaded rigid metal conduit or cables approved for hazardous locations with associated termination fittings approved for the particular hazardous location.

(2) Boxes and fittings in which taps, joints, or terminal connections are made shall:

- (a) Be provided with telescoping or close fitting covers, or other effective means to prevent the escape of sparks or burning material; and
- (b) Have no openings, such as holes for attachment screws, through which, after installation, sparks or burning material might escape, or through which adjacent combustible material might be ignited.

(3) Cables shall be installed and supported in a manner to avoid tensile stress at the termination fittings.

(4) where it is necessary to use flexible connections the provisions of Rule 18-202 (4) and (5) shall apply.

18-304 Switches, Controllers, Circuit Breakers and Fuses, Class III, Division 1. Switches, motor controllers, circuit breakers, and fuses, including push buttons, relays and similar devices, shall be provided with tight metal enclosures designed to minimize entrance of fibres and flyings, and which shall:

- (a) Be equipped with telescoping or close fitting covers, or with other effective means to prevent escape of sparks or burning material; and

- (b) Have no openings, such as holes for attachment screws, through which, after installation, sparks or burning material might escape or through which exterior accumulations of fibres or flyings or adjacent combustible material might be ignited.

18-306 Control Transformers and Resistors, Class III, Division 1. Transformers, impedance coils, and resistors used as or in conjunction with control equipment for motors, generators, and appliances, shall conform to Rule 18-258, with the exception that, when these devices are in the same enclosure with switching devices of such control equipment, and are used only for starting or short-time duty, the enclosure shall conform to the requirements of Rule 18-304.

18-308 Motors and Generators, Class III, Division 1

(1) Except as provided in Subrule (2), motors, generators, and other rotating electrical machinery shall be:

- (a) Totally enclosed non-ventilated;
- (b) Totally enclosed pipe-ventilated; or
- (c) Totally enclosed fan-cooled.

(2) Where, in the judgment of an inspector, only moderate accumulations of lint and flyings are likely to collect on, in, or in the vicinity of a rotating electrical machine and the machine is readily accessible for routine cleaning and maintenance, there may be installed in the location:

- (a) Standard open-type machines without sliding contacts, centrifugal, or other types of switching mechanism, including motor overload devices;
- (b) Standard open-type machines which have contacts, switching mechanisms, or resistance devices enclosed within tight metal housings without ventilating or other openings; or
- (c) Self-cleaning textile motors of the squirrel-cage type.

(3) Motors, generators, or other rotating electrical machinery of the partially enclosed or splash-proof type shall not be installed in Class III locations.

18-310 Ventilating Pipes, Class III, Division 1

(1) Vent pipes for motors, generators, or other rotating electrical machinery or for enclosures for electrical apparatus or equipment shall conform to Rule 18-212 (1).

(2) Vent pipes and their connections shall be sufficiently tight to prevent the entrance of appreciable quantities of fibres or flyings into the ventilated equipment or enclosure, and to prevent the escape of sparks, flame, or burning material which might ignite accumulations of fibres or flyings or combustible material in the vicinity.

(3) Where metal vent pipes are used, lock seams and riveted or welded joints may be used and, where some flexibility is necessary, tight-fitting slip joints may be used.

18-312 Utilization Equipment, Fixed and Portable, Class III, Division 1

(1) Electrically heated utilization equipment, whether fixed or portable, shall be approved for Class III locations.

(2) Motors of a motor-driven utilization equipment shall conform to Rule 18-358.

(3) The enclosures for switches, motor controllers, circuit breakers, and fuses shall conform to Rule 18-304.

18-314 Lighting Fixtures, Class III, Division 1

(1) Lighting fixtures shall conform to the following:

(a) Portable lamps shall:

- (i) Be equipped with handles;
- (ii) Be protected with substantial guards;
- (iii) Have lampholders of the unswitched type with no exposed metal parts and without provision for receiving attachment plugs; and
- (iv) In all other aspects comply with Rule 18-314 (1) (b).

(b) Fixed lighting shall:

- (i) Provide enclosures for lamps and lampholders which shall be designed to minimize entrance of fibres and flyings and to prevent the escape of sparks, burning material, or hot metal;
- (ii) Be clearly marked to indicate the maximum wattage lamp which may be used without exceeding a maximum exposed surface temperature of 165°C. under normal conditions of use.

(2) Lighting fixtures which may be exposed to physical damage shall be protected by a suitable guard.

(3) Pendent fixtures shall comply with Rule 18-266 (2).

(4) Boxes, box assemblies or fittings used for the support of lighting fixtures shall be approved for that purpose.

(5) Starting and control equipment for mercury vapour and fluorescent lamps shall comply with Rule 18-306.

18-316 Flexible Cords, Class III, Division 1. Flexible cords shall comply with Rule 18-218.

18-318 Receptacles and Attachment Plugs, Class III, Division 1. Receptacles and attachment plugs shall comply with Rule 18-270.

18-320 Signal, Alarm, Remote-Control, and Communication Systems, Class III, Division 1. Signal, alarm, remote-control, and communication systems shall comply with Rule 18-272.

18-322 Electric Cranes and Hoists, and Similar Equipment, Class III, Division 1. Where installed

for operation over combustible fibres or accumulations of flyings, travelling cranes and hoists for material handling, travelling cleaners for textile machinery, and similar equipment shall conform to the following:

- (a) Power supply to contact conductors shall be isolated from all other systems and shall be ungrounded, and shall be equipped with an acceptable recording ground detector which will give an alarm and will automatically de-energize the contact conductors in case of a fault to ground, or with an acceptable ground fault indicator which will give a visual and audible alarm, and maintain the alarm as long as power is supplied to the system and the ground fault remains;
- (b) Contact conductors shall be so located or guarded as to be inaccessible to other than authorized persons, and shall be protected against accidental contact with foreign objects.
- (c) Current collectors shall conform to the following:
 - (i) They shall be arranged or guarded to confine normal sparking and to prevent escape of sparks or hot particles;
 - (ii) To reduce sparking, two or more separate surfaces of contact shall be provided for each contact conductor; and
 - (iii) Reliable means shall be provided to keep contact conductors and current collectors free of accumulations of lint or flyings.
- (d) Control equipment shall comply with Rules 18-304 and 18-306.

18-324 Electric Trucks, Class III, Division 1. Electric trucks shall be of an acceptable type.

18-326 Storage-Battery Charging Equipment, Class III, Division 1. Storage-battery charging equipment shall be located in separate rooms built or lined with substantial noncombustible materials so constructed as to adequately exclude flyings or lint, and shall be well ventilated.

18-328 Live Parts, Class III, Division 1. No live parts of electrical equipment or of an electrical installation shall be exposed, except as provided in Rule 18-322.

18-330 Grounding and Bonding, Class III, Division 1. Electrical equipment shall be grounded as prescribed by Rule 18-128.

Installation in Class III, Division 2 Locations

18-350 Transformers and Capacitors, Class III, Division 2. Transformers and capacitors shall conform to Rule 18-250.

18-352 Wiring Methods, Class III, Division 2. The wiring method in Class III, Division 2 locations shall conform to Rule 18-302 except that in sections, compartments, or areas used solely for storage and containing no machinery, open wiring on insulators in accordance with Rules 12-202 to 12-224 may be used, provided that, where conductors are installed elsewhere than in roof spaces and remote from physical damage, they shall be protected as required by Rules 12-212 and 12-214.

18-354 Switches, Controllers, Circuit Breakers, and Fuses, Class III, Division 2. Switches, motor controllers, circuit breakers, and fuses shall conform to Rule 18-304.

18-356 Control Transformers and Resistors, Class III, Division 2. Transformers, impedance coils, and resistors used as or in conjunction with control equipment for motors, generators and appliances shall conform to Rule 18-306.

18-358 Motors and Generators, Class III, Division 2.

(1) Motors, generators, and other rotating electrical machinery shall be:

- (a) Totally enclosed non-ventilated;
- (b) Totally enclosed pipe-ventilated; or
- (c) Totally enclosed fan-cooled.

(2) Motors, generators, or other rotating electrical machinery of the partially enclosed or splash-proof type shall not be installed in Class III locations.

18-360 Ventilating Pipes, Class III, Division 2. Ventilating pipes shall conform to Rule 18-212 (1).

18-362 Utilization Equipment, Fixed and Portable, Class III, Division 2. Fixed or portable utilization equipment shall conform to Rule 18-312.

18-364 Lighting Fixtures, Class III, Division 2. Lighting fixtures shall conform to Rule 18-314.

18-366 Flexible Cords, Class III, Division 2. Flexible cords shall conform to Rule 18-218.

18-368 Receptacles and Attachment Plugs, Class III, Division 2. Receptacles and attachment plugs shall conform to Rule 18-270.

18-370 Signal, Alarm, Remote-Control, and Communication Systems, Class III, Division 2. Signal, alarm, remote-control, and communication systems shall conform to Rule 18-272.

18-372 Electric Cranes and Hoists and Similar Equipment, Class III, Division 2. Electric cranes and hoists and similar equipment shall be installed as prescribed by Rule 18-322.

18-374 Electric Trucks, Class III, Division 2. Electric trucks shall conform to Rule 18-324.

18-376 Storage-Battery Charging Equipment, Class III, Division 2. Storage-battery charging equipment shall be located in rooms conforming to Rule 18-326.

18-378 Live Parts, Class III, Division 2. No live parts of electrical equipment or of an electrical installation shall be exposed, except as provided in Rule 18-322.

18-380 Grounding and Bonding, Class III, Division 2. Equipment shall be grounded in conformity with Rule 18-128.

SECTION 20—GASOLINE DISPENSING AND SERVICE STATIONS, GARAGES, BULK STORAGE PLANTS, FINISHING PROCESSES, AND AIRCRAFT HANGARS

20-000 Scope. This Section is supplementary to, or amendatory of, the general requirements of this Code and applies to the following installations:

- (a) Gasoline dispensing and service stations—Rules 20-002 to 20-014;
- (b) Commercial garages, repair and storage—Rules 20-100 to 20-114;
- (c) Residential storage garages—Rules 20-200 to 20-206;
- (d) Bulk storage plants—Rules 20-300 to 20-312;
- (e) Finishing processes—Rules 20-400 to 20-412; and
- (f) Aircraft hangars—Rules 20-500 to 20-522.

Gasoline Dispensing and Service Stations

20-002 General

(1) Rules 20-002 to 20-014 inclusive apply to electrical apparatus and wiring installed in gasoline dispensing and service stations, and other locations where gasoline or other similar volatile flammable liquids are dispensed or transferred to the fuel tanks of self-propelled vehicles.

(2) Other areas used as lubrication rooms, service rooms and repair rooms, and offices, salesrooms, compressor rooms and similar locations shall conform to Rules 20-100 to 20-114 with respect to electrical wiring and equipment.

20-004 Hazardous Areas

(1) Except as provided for in Subrule (3), the space within a dispenser enclosure up to 1.2 metres vertically above its base including the space below the dispenser which may contain electrical wiring and equipment shall be considered to be a Class I, Division 1 location.

(2) The space within a nozzle boot of a dispenser shall be considered to be a Class I, Division 1 location.

(3) The space within a dispenser enclosure above the Class I, Division 1 location as specified in Subrule (1) or spaces within a dispenser enclosure isolated from the Division 1 location by a solid vapour-tight partition or by a solid nozzle boot but not completely surrounded by a Division 1 location shall be considered to be a Class I, Division 2 location.

(4) The space within 450 millimetres horizontally from the Division 1 location within the dispenser enclosure as specified in Subrule (1) shall be considered to be a Class I, Division 1 location.

(5) The space outside the dispenser within 450 millimetres horizontally from the opening of a solid nozzle boot located above the vapour-tight partition shall be considered to be a Class I, Division 2 location except that the classified area need not be extended beyond the plane in which the boot is located.

(6) In an outside location, any area beyond the Class I, Division 1 area (and in buildings not suitably cut off) within 6 metres horizontally from the exterior enclosure of any dispenser, shall be considered a Class I, Division 2 location, which will extend to a level 450 millimetres above driveway or ground level.

(7) In an outside location, any area beyond the Class I, Division 1 location (and in buildings not suitably cut off) within 3 metres horizontally from any tank fill-pipe shall be considered a Class I, Division 2 location which shall extend upward to a level 450 millimetres above driveway or ground level.

(8) Electrical wiring and equipment, any portion of which is below the surface of areas defined as Class I, Division 1 or Division 2 in Subrules (1), (4), (6) or (7) shall be considered to be within a Class I, Division 1 location which shall extend at least to the point of emergence above grade.

(9) Areas within the vicinity of tank vent-pipes shall be classified as follows:

(a) The spherical volume within a 900 millimetres radius from point of discharge of any tank vent-pipe shall be considered a Class I, Division 1 location and the volume between the 900 millimetres to 1.5 metres radius from point of discharge of a vent shall be considered a Class I, Division 2 location;

(b) For any vent that does not discharge upward, the cylindrical volume below both the Division 1 and Division 2 locations extending to the ground shall be considered a Class I, Division 2 location; and

(c) The hazardous area shall not be considered to extend beyond an unpierced wall.

(10) Areas within lubrication rooms shall be classified as follows:

(a) The area within any pit or space below grade or floor level in a lubrication room shall be considered a Class I, Division 1 location, unless the pit or space below grade is beyond the hazardous areas specified in Subrules (6), (7) and (9) in which case the pit or space below grade shall be considered Class I, Division 2 location;

(b) The area within the entire lubrication room up to 50 millimetres above the floor or grade, whichever is the higher, and the area within 900 millimetres measured in any direction from the dispensing point of a hand-operated unit dispensing volatile flammable liquids shall be considered a Class I, Division 2 location.

20-006 Wiring and Equipment Within Hazardous Areas

(1) All electrical wiring and equipment within the hazardous areas defined in Rule 20-004 shall

conform to Section 18 requirements, except that where dispensing pumps are supplied by underground wiring:

- (a) Steel-armoured lead-covered cable may be used in lieu of rigid metal conduit or mineral-insulated cable, provided that the cable armour terminates in a lead gland connector, the lead jacket terminates in the midpoint of an approved (conduit) seal and a union approved for the class and group connects the sealing fitting to the junction box of the dispensing pump; and

- (b) Light-weight mineral-insulated cable rated not less than 600 volts may be used in accordance with Section 18 requirements for mineral-insulated cable.

(2) Where dispensers are supplied by rigid metal conduit, a flexible metallic fitting approved for Class I, Group D locations shall be used between the conduit and the junction box of the dispenser, in addition to any sealing fittings and unions that may be required by Section 18.

(3) The flexible metallic fitting required by Subrule (2) shall be installed in such a manner as to allow for relative movement of the conduit and the dispenser.

20-008 Wiring and Equipment Above Hazardous Areas. Wiring and equipment above hazardous areas shall conform to Rules 20-106 and 20-110.

20-010 Circuit Disconnects. Each circuit leading to or through a dispensing pump shall be provided with a switching means which will disconnect all ungrounded conductors of the circuit from the source of supply simultaneously.

20-012 Sealing

(1) An approved seal shall be provided in each conduit run entering or leaving a dispenser or any cavities or enclosures in direct communication therewith.

(2) Additional seals shall be provided in conformance with Rules 18-106 and 18-156, and the requirements of Rules 18-106(3)(c) and 18-156(3)(b) shall include horizontal and vertical boundaries.

20-014 Grounding. All non-current-carrying metal parts of dispensing pumps, metallic raceways and other electrical equipment shall be grounded in accordance with Section 10.

Commercial Garages, Repair and Storage

20-100 Scope. Rules 20-100 to 20-114 apply to locations used for service and repair operations in connection with self-propelled vehicles in which volatile flammable liquids or flammable gases are used for fuel or power, and locations in which more than three such vehicles are, or may be, stored at one time.

20-102 Hazardous Areas

(1) For each floor at or above grade, the entire area up to a level 50 millimetres above the floor shall be considered to be a Class I, Division 2 location.

(2) For each floor below grade, the entire area up to a level 50 millimetres above the bottom of outside doors or other openings which are at, or above, grade level shall be considered to be a Class I, Division 2 location except that where adequate mechanical ventilation is provided, the hazardous location shall extend up to a level of only 50 millimetres above each such floor.

(3) Any pit or depression below floor level shall be considered to be a Class I, Division 2 location which shall extend up to the floor level.

(4) Adjacent areas in which hazardous vapours are not likely to be released such as stockrooms, switchboard rooms, and other similar locations having floors elevated at least 50 millimetres above the adjacent garage floor or separated therefrom by tight curbs or partitions at least 50 millimetres high shall not be classed as hazardous.

20-104 Wiring and Equipment in Hazardous Areas. Within hazardous areas as defined in Rule 20-102, wiring and equipment shall conform to the applicable requirements of Section 18.

20-106 Wiring Above Hazardous Areas

(1) All fixed wiring above hazardous areas shall be in accordance with Section 12 and suitable for the type of building and occupancy.

(2) For pendants, flexible cord suitable for the purpose and approved for hard usage shall be used.

(3) For connection of portable lamps, portable motors or other portable utilization equipment, flexible cord suitable for the purpose and approved for hard usage shall be used.

20-108 Sealing

(1) Approved seals shall be installed as required by Section 18, and the requirements of Rule 18-156 (3) (b) shall include horizontal and vertical boundaries.

(2) Raceways embedded in a masonry floor or buried beneath a floor shall be considered to be within the hazardous area above the floor if any connections or extensions lead into or through such area.

20-110 Equipment Above Hazardous Areas

(1) Fixed equipment which is less than 3.6 metres above the floor level and that may produce arcs, sparks, or particles of hot metal such as cutouts, switches, charging panels, generators, motors or other equipment (excluding receptacles, lamps and lampholders) having make-and-break or sliding contacts, shall be of the totally enclosed type or so constructed as to prevent escape of sparks or hot metal particles.

(2) Lamps and lampholders for fixed lighting that are located over lanes through which vehicles are commonly driven or which may otherwise be exposed to physical damage, shall be located not less than 3.6 metres above floor level unless of totally enclosed type

or so constructed as to prevent escape of sparks or hot metal particles.

(3) Portable lamps shall comply with the following:

- (a) They shall be of the totally enclosed gasketed type, equipped with handle, lampholder, hook and substantial guard attached to the lampholder or handle, and all exterior surfaces which may come in contact with battery terminals, wiring terminals or other objects shall be of non-conducting material or shall be effectively protected with an insulating jacket;
- (b) The lampholders shall be of the unswitched type; and
- (c) They shall not be provided with receptacles for attachment plugs.

20-112 Battery Charging Equipment. Battery chargers and their control equipment, and batteries being charged shall not be located within the hazardous areas classified in Rule 20-102.

20-114 Electric Vehicle Charging

(1) Flexible cords used for charging shall be approved for the type of service, including extra hard usage.

(2) Connectors shall have a rating not less than the ampacity of the cord and in no case less than 50 amperes.

(3) Connectors shall be so designed and installed that they will break apart readily at any position of the charging cable, and live parts shall be guarded from accidental contact.

(4) No connector shall be located within the hazardous area defined in Rule 20-102.

(5) Where plugs are provided for direct connection to vehicles, the point of connection shall not be within a hazardous area as defined in Rule 20-102.

(6) Where a cord is suspended from overhead, it shall be so arranged that the lowest point of sag is at least 150 millimetres above the floor.

(7) Where the vehicle is equipped with a plug which will readily pull apart, and where an automatic arrangement is provided to pull both cord and plug beyond the range of mechanical damage, no additional connector is required in the cable or outlet.

Residential Storage Garages

20-200 Scope. Rules 20-200 to 20-206 apply to a building or part of a building in which not more than three vehicles of the types described in Rule 20-100 are, or may be, stored, but which will not normally be used for service or repair operations on stored vehicles.

20-202 Non-Hazardous Location. Where the lowest floor is at or above adjacent grade or driveway level, and where there is at least one outside door at or below floor level, the garage area shall not be classed as a hazardous location.

20-204 Hazardous Location. Where the lowest floor is below adjacent grade or driveway level, the following shall apply:

(a) The entire area of the garage or of any enclosed space which includes the garage shall be classified as a Class I, Division 2 location up to a level 50 millimetres above the garage floor; and

(b) Adjacent areas in which hazardous vapours or gases are not likely to be released, and having floors elevated at least 50 millimetres above the garage floor, or separated therefrom by tight curbs or partitions at least 50 millimetres high, shall not be classed as hazardous.

20-206 Wiring

(1) Wiring above the hazardous locations shall conform to Section 12.

(2) Wiring in the hazardous locations shall conform to Section 18.

Bulk Storage Plants

20-300 Scope. Rules 20-300 to 20-312 apply to locations where gasoline or other similar volatile flammable liquids are stored in tanks having an aggregate capacity of one carload or more, and from which such products are distributed (usually by tank truck).

20-302 Hazardous Areas

(1) Areas containing pumps, bleeders, withdrawal fittings, meters and similar devices which are located in pipe lines handling flammable liquids under pressure shall be classified and comply with the following:

(a) Ventilated indoor areas shall be considered as Class I, Division 2 locations within a 1.5 metre distance extending in all directions from the exterior surface of such devices as well as 7.5 metres horizontally from any surface of these devices and extending upwards to 900 millimetres above floor or grade level, provided that:

(i) Design of the ventilation systems takes into account the relatively high specific gravity of the vapours;

(ii) Where openings are used in outside walls they are of adequate size and located at floor level unobstructed except by louvres or coarse screens; and

(iii) Where natural ventilation is inadequate, mechanical ventilation is provided;

(b) Indoor areas not ventilated in accordance with Subrule (1)(a) shall be considered Class I, Division 1 locations within a 1.5 metre distance extending in all directions from the exterior surface of such devices as well as 7.5 metres horizontally from any surface of the device and extending upward 900 millimetres above floor or grade level;

(c) Outdoor areas shall be considered as Class I, Division 2 locations within a 900 millimetre distance extending in all directions from the

exterior surfaces of such devices as well as up to 450 millimetres above grade level within 3 metres horizontally from any surface of the devices.

(2) Areas where flammable liquids are transferred shall be classified as follows:

- (a) In outdoor areas or where positive and reliable mechanical ventilation is provided in indoor areas in which flammable liquids are transferred to individual containers, such areas shall be considered as a Class I, Division 1 location within 900 millimetres of the vent or fill opening extending in all directions and a Class I, Division 2 location within the area extending between a 900 millimetre and 1.5 metre radius from the vent or fill opening extending in all directions and including the area within a horizontal radius of 3 millimetres from the vent or fill opening and extending to a height of 450 millimetres above floor or grade levels; or
- (b) The area extending between a 900 millimetre and 1.5 metre radius from the dome when flammable liquids are transferred to individual containers, such areas shall be considered to be a Class I, Division 1 location.
- (3) Areas in outside locations where loading and unloading of tank vehicles and tank cars takes place shall be classified as follows:
 - (a) The area extending 900 millimetres in all directions from the dome when loading through an open dome or from the vent when loading through a closed dome with atmospheric venting shall be considered a Class I, Division 1 location;
 - (b) The area extending between a 900 millimetre and 1.5 metre radius from the dome when loading through an open dome or from the vent when loading through a closed dome with atmospheric venting shall be considered a Class I, Division 2 location;
 - (c) The area extending within 900 millimetres in all directions from a fixed connection used in bottom loading or unloading, loading through a closed dome with atmospheric venting or loading through a closed dome with a vapour recovery system shall be considered a Class I, Division 2 location except that in the case of bottom loading or unloading this classification shall also be applied to the area within a 3 metre radius from point of connection and extending 450 millimetres above grade.
- (4) Areas within the vicinity of above ground tanks shall be classified as follows:
 - (a) The area above the roof and within the shell of a floating roof type tank shall be considered a Class I, Division 1 location;

(b) For all types of above ground tanks:

- (i) The area within 3 metres from the shell, ends and roof of other than a floating roof shall be considered a Class I, Division 2 location; and
- (ii) Where dikes are provided the area inside the dike and extending upward to the top of dike shall be considered to be a Class I, Division 2 location;
- (c) The area within 1.5 metres of a vent opening and extending in all directions shall be considered a Class I, Division 1 location; and
- (d) The area between 1.5 metres and 3 metres of a vent opening and extending in all directions shall be considered a Class I, Division 2 location.
- (5) Pits and depressions shall be classified as follows:
 - (a) Any pit or depression, any part of which lies within a Division 1 or Division 2 location unless provided with positive and reliable mechanical ventilation shall be considered a Class I, Division 1 location;
 - (b) Any such areas when provided with positive and reliable mechanical ventilation shall be considered a Class I, Division 2 location; or
 - (c) Any pit or depression within a Division 1 or Division 2 location as defined herein, but which contains piping, valves, or fittings shall be considered a Class I, Division 2 location.
- (6) Garages in which tank vehicles are stored or repaired shall be considered to be a Class I, Division 2 location up to 450 millimetres above floor or grade level unless in the judgement of the electrical inspector conditions warrant more severe classification or a greater extent of the hazardous area.
- (7) Buildings such as office buildings, boiler rooms, and other similar premises, which are outside the limits of hazardous areas as defined herein, and are not used for the handling or storage of volatile flammable liquids or containers for such liquids, shall not be considered to be hazardous locations.

20-304 Wiring and Equipment in Hazardous Areas. All electrical wiring and equipment in hazardous areas defined in Rule 20-302 shall conform to the requirements of Section 18.

20-306 Wiring and Equipment Above Hazardous Areas

(1) Wiring installed above a hazardous location shall conform to the requirements of Section 12 and be suitable for the type of building and the occupancy.

(2) Fixed equipment which may produce arcs, sparks, or particles of hot metal, such as lamps and lampholders, cutouts, switches, receptacles, motors, or other equipment having make and break or sliding contacts, shall be of the totally enclosed type or so

constructed as to prevent the escape of sparks or hot metal particles.

(3) Portable lamps or utilization equipment and the flexible cords supplying them, shall conform to the requirements of Section 18 for the class of location above which they are connected or used.

20-308 Sealing

(1) Approved seals shall be installed in accordance with Section 18 and shall be applied to horizontal as well as vertical boundaries of the defined hazardous locations.

(2) Buried raceways under defined hazardous areas shall be considered to be within such areas.

20-310 Gasoline Dispensing. Where gasoline dispensing is carried on in conjunction with bulk station operations, the applicable provisions of Rules 20-002 to 20-014 inclusive shall apply.

20-312 Grounding. All non-current-carrying metal parts of equipment and raceways shall be grounded in accordance with Section 10.

Finishing Processes

20-400 Scope. Rules 20-400 to 20-412 apply where paints, lacquers or other flammable finishes are regularly or frequently applied by spraying, dipping, brushing or by other means, and where volatile flammable solvents or thinners are used or where readily ignitable deposits or residues from such paints, lacquers or finishes may occur.

20-402 Hazardous Areas

(1) The following areas shall be considered to be Class I, Division 1 locations:

- (a) The interiors of spray booths and their exhaust ducts;
- (b) All space within 6 metres horizontally in any direction, extending to a height of 900 millimetres above the goods to be painted, from spraying operations more extensive than touch up spraying and not conducted within the spray booth;
- (c) All space within 6 metres horizontally in any direction from dip tanks and their drain boards, the space extending to a height of 900 millimetres above the dip tank and drain board;
- (d) All other spaces where hazardous concentrations of flammable vapours are likely to occur.

(2) For spraying operations within an open face spray booth, the extent of the Class I, Division 2 hazardous location shall be not less than the following:

- (a) Where the ventilation system is interlocked with the spraying equipment so as to make the spraying equipment inoperable when the ventilation system is not in operation, the space shall extend at least 1.5 metres from the open

face of the spray booth, and as otherwise shown in Table 54;

- (b) Where the ventilation system is not interlocked with the spraying equipment so as to make the spraying equipment inoperable when the ventilation system is not in operation, the space shall extend at least 3 metres from the open face or front of the spray booth, and as otherwise shown in Table 55.

(3) All space within the room but beyond the limits for Class I, Division 1 as classified in Subrule (1) for extensive open spraying, for dip tanks and drain boards, and for other hazardous operations, shall be considered to be Class I, Division 2 locations.

(4) Adjacent areas which are cut off from the defined hazardous area by tight partitions without communicating openings, and within which hazardous vapours are not likely to be released, shall be classed as non-hazardous unless deemed otherwise by the inspection department.

(5) Drying and baking areas provided with positive mechanical ventilation to prevent formation of flammable concentrations of vapours and provided with effective interlocks to de-energize all electrical equipment not approved for Class I locations, in case the ventilating equipment is inoperative, may be classed as non-hazardous.

(6) Notwithstanding the requirements of Subrule (1)(b) where adequate mechanical ventilation with effective interlocks is provided at floor level:

- (a) The space within 900 millimetres horizontally in any direction from the goods to be painted and such space extending to a height of 900 millimetres above the goods to be painted shall be considered to be a Class I, Division 1 location; and
- (b) All space between a 900 millimetre and a 1.5 metre distance above the goods to be painted and all space within 6 metres horizontally in any direction beyond the limits for Class I, Division 1 location shall be considered to be Class I, Division 2 location.

(7) Notwithstanding Subrules 20-402 (2) (a) and (b), where a full length sheet metal baffle of not less than No. 18 MSG is installed above the front face of an open face spray booth to a height of 1 metre or to the ceiling, whichever is less, the space behind this baffle shall be considered an ordinary location.

20-404 Wiring and Equipment in Hazardous Areas

(1) All electrical wiring and equipment within the hazardous areas as defined in Rule 20-402 shall conform to the requirements of Section 18.

(2) Unless approved for both readily ignitable deposits and the flammable vapour location, no

electrical equipment shall be installed or used where it may be subject to a hazardous accumulation of readily ignitable deposits or residue.

(3) Illumination of readily ignitable areas through panels of glass or other transparent or translucent material is permissible only where:

- (a) Fixed lighting units are used as the source of illumination;
 - (b) The panel is noncombustible and effectively isolates the hazardous area from the area in which the lighting unit is located;
 - (c) The lighting unit is approved for its specific location;
 - (d) The panel is of a material or is so protected that breakage will be unlikely; and
 - (e) The arrangement is such that normal accumulations of hazardous residue on the surface of the panel will not be raised to a dangerous temperature by radiation or conduction from the source of illumination.
- (4) Portable electric lamps or other utilization equipment shall:
- (a) Not be used within a hazardous area during operation of the finishing process;
 - (b) Be of a type approved for Class I locations when used during cleaning or repairing operations.
- (5) Notwithstanding Subrule (4):
- (a) Totally-enclosed and gasketed lighting may be used on the ceiling of a spray room where adequate and positive mechanical ventilation is provided; and
 - (b) Infrared paint drying units may be utilized in a spray room if the controls are interlocked with those of the spraying equipment so that both operations cannot be performed simultaneously, and if portable, the paint drying unit shall not be brought into the spray room until spraying operations have ceased.

20-406 Fixed Electrostatic Equipment

(1) Electrostatic spraying and detearing equipment shall be of an approved type and conform to the following:

- (a) No transformers, power packs, control apparatus, or other electrical portion of the equipment except high voltage grids and their connections shall be installed in any of the hazardous areas defined in Rule 20-402, unless of a type approved for the locations;
- (b) High voltage grids or electrodes shall be located in suitable noncombustible booths or enclosures provided with adequate mechanical ventilation, shall be rigidly supported and of substantial construction, and shall be effectively insulated from ground by means of nonporous, noncombustible insulators;
- (c) High voltage leads shall be effectively and permanently supported on suitable insulators, shall be effectively guarded against accidental contact or grounding and shall be provided with

automatic means for discharging any residual charge to ground when the supply voltage is interrupted;

(d) Where goods are being processed:

- (i) They shall be supported on conveyors in such a manner that minimum clearance between goods and high voltage grids or conductors cannot be less than twice the sparking distance; and
 - (ii) A conspicuous sign indicating the sparking distance shall be permanently posted near the equipment;
- (e) Approved automatic controls shall be provided which will operate without time delay to disconnect the power supply and to signal the operator in case of:
- (i) Stoppage of ventilating fans;
 - (ii) Failure of ventilating equipment;
 - (iii) Stoppage of the conveyor carrying goods through the high voltage field;
 - (iv) Occurrence of a ground or of an imminent ground at any point on the high voltage system; or
 - (v) Reduction of clearance below that specified in Paragraph (d); and
- (f) Adequate fencing, railings or guards which are electrically conducting and effectively grounded shall be provided for safe isolation of the process; and signs shall be permanently posted designating the process zone as dangerous because of high voltage.

(2) Transformers and capacitors forming a part of fixed spraying or detearing equipment shall not be required to conform to the requirements of Section 26 of this Code.

20-408 Electrostatic Hand Spraying Equipment. Electrostatic hand spray apparatus and devices used therewith shall be of approved types and shall conform to the following:

- (a) The equipment shall be so designed that the maximum surface temperature of the equipment in the spraying area cannot exceed 65°C under any condition;
- (b) The high voltage circuits shall be intrinsically safe and not produce a spark of sufficient intensity to ignite any vapour-air mixtures, nor result in appreciable shock hazard upon coming in contact with a grounded object;
- (c) The electrostatically-charged exposed elements of the hand gun shall be capable of being energized only by a switch which also controls the paint supply;
- (d) Transformers, power packs, control apparatus, and all other electrical portions of the equipment, with the exception of the hand gun itself and its connections to the power supply, shall be located outside the hazardous area;

- (e) The handle of the spray gun shall be electrically connected to ground by a metallic connection and be so constructed that the operator in normal operating position is in intimate electrical contact with the grounded handle in order to prevent build-up of a static charge on the operator's body;
- (f) All electrically conductive objects in the spraying area shall be adequately grounded and the equipment shall carry a prominent permanently-installed warning regarding the necessity for this grounding feature;
- (g) Precautions shall be taken to ensure that objects being painted are maintained in metallic contact with the conveyor or other grounded support, and shall include the following:
 - (i) Hooks shall be regularly cleaned;
 - (ii) Areas of contact shall be sharp points or knife edges; and
 - (iii) Points of support of the object shall be concealed from random spray where feasible and where the objects being sprayed are supported from a conveyor, the point of attachment to the conveyor shall be so located as not to collect spray material during normal operation; and
- (h) The spraying operation shall take place within a spray area which is adequately ventilated to remove solvent vapours released from the operation and the electrical equipment shall be so interlocked with the ventilation of the spraying area that the equipment cannot be operated unless the ventilation system is in operation.

20-410 Wiring and Equipment Above Hazardous Areas

(1) All fixed wiring above hazardous areas shall conform to Section 12.

(2) Equipment which may produce arcs, sparks, or particles of hot metal, such as lamps and lampholders for fixed lighting, cutouts, switches, receptacles, motors or other equipment having make and break or sliding contacts, where installed above a hazardous area or above an area where freshly finished goods are handled, shall be of the totally enclosed type or so constructed as to prevent the escape of sparks or hot metal particles.

20-412 Grounding. All metallic raceways and all non-current-carrying metallic portions of fixed or portable equipment, regardless of voltage, shall be grounded in accordance with Section 10.

Aircraft Hangars

20-500 Scope. Rules 20-500 to 20-522 apply to locations used for storage or servicing of aircraft in which gasoline, jet fuels, or other volatile flammable liquids, or flammable gases, are used but shall not include those locations used exclusively for aircraft which have never contained such liquids or gases, or which have been drained and properly purged.

20-502 Hazardous Areas

(1) Any pit or depression below the level of the hangar floor shall be considered to be a Class I, Division 1 location that shall extend up to the floor level.

(2) The entire area of the hangar including any adjacent and communicating areas not suitably cut off from the hangar shall be considered to be a Class I, Division 2 location up to a level 450 millimetres above the floor.

(3) The area within 1.5 metres horizontally from aircraft power plants, aircraft fuel tanks or aircraft structure containing fuel shall be considered to be a Class I, Division 2 location that shall extend upward from the floor to a level 1.5 metres above the upper surface of wings and of engine enclosures.

(4) Adjacent areas in which hazardous vapours are not likely to be released such as stock rooms, electrical control rooms, and other similar locations, may be classed as non-hazardous when adequately ventilated and when effectively cut off from the hangar itself by unpierced walls or partitions.

20-504 Wiring and Equipment in Hazardous Areas

(1) All fixed and portable wiring and equipment which is or may be installed or operated within any of the locations defined in Rule 20-502 shall conform to the requirements of Section 18.

(2) All wiring installed in or under the hangar floor shall conform to the requirements for Class I Division 1 locations.

(3) Wiring systems installed in vaults, pits, or ducts, shall be provided with adequate drainage and shall not be placed within the same compartment with any other service except piped compressed air.

(4) Attachment plugs and receptacles in hazardous locations shall be explosionproof, or shall be so designed that they cannot be energized while the connections are being made or broken.

20-506 Wiring Not Within Hazardous Areas

(1) All fixed wiring in a hangar not within a location defined in Rule 20-502 shall be installed in metallic raceways or shall be Type MI except that wiring in a non-hazardous location as set out in Rule 20-502 (4) may be of any type recognized in Section 12 as suitable for the type of building and the occupancy.

(2) For pendants, flexible cord approved for hard usage and containing a separate grounding conductor shall be used.

(3) For portable utilization equipment and lamps, flexible cord approved for hard usage and containing a separate grounding conductor shall be used.

(4) Suitable means shall be provided for maintaining continuity and adequacy of the grounding path between the fixed wiring system and the non-current-carrying metallic portions of pendent fixtures, portable lamps, and other portable utilization equipment.

20-508 Equipment Not Within Hazardous Areas

(1) In locations other than those described in Rule 20-502, equipment that is less than 3 metres above wings and engine enclosures of aircraft and which may produce arcs, sparks or particles of hot metal, such as lamps and lampholders for fixed lighting, cutouts, switches, receptacles, charging panels, generators,

motors or other equipment having made and break or sliding contacts, shall be of totally enclosed type or so constructed as to prevent escape of sparks or hot metal particles, except that equipment in areas described in Rule 20-502 (4) may be of general purpose type.

(2) Lampholders of metal shell, fibre lined types shall not be used for fixed lighting.

(3) Portable lamps which are, or may be, used within a hangar shall be approved for Class I locations.

(4) Portable utilization equipment which is, or may be, used within a hangar shall be of a type suitable for use in Class I, Division 2 locations.

20-510 Stanchions, Rostrums, and Docks

(1) Electric wiring, outlets and equipment including lamps, on or attached to, stanchions, rostrums, or docks which are located, or likely to be located, in a hazardous area as defined in Rule 20-502 (3) shall conform to the requirements for Class I, Division 2 locations.

(2) Where stanchions, rostrums, and docks are not located, or are not likely to be located, in a hazardous area as defined in Rule 20-502 (3) wiring and equipment shall conform to Rules 20-506 and 20-508, except that:

- (a) Receptacles and attachment plugs shall be of the locking type which will not break apart readily; and
- (b) Wiring and equipment, not more than 450 millimetres above the floor in any position, shall conform to Subrule (1).

(3) Mobile stanchions with electrical equipment conforming to Subrule (2) shall carry at least one permanently affixed warning sign to read "WARNING—KEEP 1.5 METRES CLEAR OF AIRCRAFT ENGINES AND FUEL TANK AREAS".

20-512 Sealing

(1) Approved seals shall be installed in accordance with Section 18 and shall apply to horizontal as well as to vertical boundaries of hazardous areas.

(2) Raceways embedded in a masonry floor or buried beneath a floor shall be considered to be within the hazardous area above the floor when any connections or extensions lead into or through the hazardous area.

20-514 Aircraft Electrical Systems. Aircraft electrical systems shall be de-energized when the aircraft is stored in a hangar, and whenever possible, while the aircraft is undergoing maintenance.

20-516 Aircraft Battery-Charging and Equipment

(1) Aircraft batteries shall not be charged when installed in an aircraft located inside, or partially inside, a hangar.

(2) Battery chargers and their control equipment shall not be located or operated within any of the hazardous areas defined in Rule 20-502 but may be

located or operated in a separate building or in an area complying with Rule 20-502 (4).

(3) Mobile chargers shall carry at least one permanently affixed warning sign to read: "WARNING—KEEP 1.5 METRES CLEAR OF AIRCRAFT ENGINES AND FUEL TANK AREAS".

(4) Tables, racks, trays, and wiring shall not be located within a hazardous area, and shall conform to the provisions of Section 26 pertaining to Storage Batteries.

20-518 External Power Sources for Energizing Aircraft

(1) Aircraft energizers shall be so designed and mounted that all electrical equipment and fixed wiring will be at least 450 millimetres above floor level and shall not be operated in a hazardous area as defined in Rule 20-502 (3).

(2) Mobile energizers shall carry at least one permanently affixed sign to read: "WARNING—KEEP 1.5 METRES CLEAR OF AIRCRAFT ENGINES AND FUEL TANK AREAS".

(3) Aircraft energizers shall be equipped with polarized external power plugs and with automatic controls to isolate the ground power unit electrically from the aircraft in case excessive voltage is generated by the ground power unit.

(4) Flexible cords for aircraft energizers and ground support equipment shall be approved for the extra hard usage and shall include a grounding conductor.

20-520 Mobile Servicing Equipment With Electrical Components

(1) Mobile servicing equipment such as vacuum cleaners, air compressors, air movers and other similar equipment having electrical wiring and equipment not suitable for Class I, Division 2 locations shall:

- (a) Be so designed and mounted that all such wiring and equipment will be at least 450 millimetres above the floor;
- (b) Not be operated within the hazardous areas defined in Rule 20-502 (3); and
- (c) Carry at least one permanently affixed warning sign to read: "WARNING—KEEP 1.5 METRES CLEAR OF AIRCRAFT ENGINES AND FUEL TANK AREAS".

(2) Flexible cords for mobile equipment shall be approved for extra hard usage and shall include a grounding conductor.

(3) Attachment plugs and receptacles shall be approved for the location in which they are installed, and shall provide for connection of the grounding conductor to the raceway system.

(4) Equipment shall not be operated in areas where maintenance operations likely to release hazardous vapours are in progress, unless the equipment is at least suitable for use in a Class I, Division 2 location.

20-522 Grounding. All metallic raceways, and all non-current-carrying metallic portions of fixed or portable equipment, regardless of voltage, shall be grounded in accordance with Section 10.

SECTION 22—LOCATIONS IN WHICH CORROSIVE LIQUIDS OR VAPOURS OR EXCESSIVE MOISTURE ARE LIKELY TO BE PRESENT

General

22-000 Scope. This Section applies to electrical equipment and installations in locations in which corrosive liquids, or vapours or excessive moisture are likely to be present, and is supplementary to, or amendatory of, the general requirements of this Code.

22-002 Category Definitions. Locations covered in this Section shall be classified as follows:

- (a) "Category 1", meaning that the location is one in which moisture in the form of vapour or liquid is present in quantities which are liable to interfere with the normal operation of electrical equipment, whether the moisture is caused by condensation, or the dripping or splashing of liquid, or otherwise; and
- (b) "Category 2", meaning that the location is one in which corrosive liquids or vapours are likely to be present in quantities which are likely to interfere with the normal operation of electrical equipment.

22-004 Application of Category Definitions. Where the expressions "Category 1" or "Category 2" do not appear in any Rule in this Section, the Rule shall be applicable to both categories.

Equipment

22-100 Essential Equipment Only

(1) Only such electrical equipment as is essential for the processes being carried on therein shall be installed in Category 1 and Category 2 locations.

(2) Service equipment, motors, panelboards, switchboards and other electrical equipment shall, where practicable, be installed in rooms or sections of the building which are not Category 1 or Category 2 locations.

22-102 Type of Construction

(1) Where the electrical equipment is, or is likely to be, partially or wholly submerged, it shall be of a submersible type of construction.

(2) Where the electrical equipment is, or is likely to be, subjected to direct streams of liquid under pressure, it shall be of a water-tight type of construction.

(3) Where the electrical equipment is, or is likely to be, exposed to corrosive vapours, it shall be of a corrosion-resistant type of construction.

(4) Where the electrical equipment is, or is likely to be, exposed to splashing of water, it shall be of a weatherproof or water-tight type of construction.

(5) Where the electrical equipment is, or is likely to be, exposed only to the falling or condensing of moisture, it shall be of a dripproof, weatherproof or water-tight type of construction.

(6) Where a protective coating on electrical equipment is, or may be, exposed to corrosive liquids or vapour, the coating shall be suitable for the corrosive condition.

22-104 Pendent Lampholders

(1) Pendent lampholders shall be of the weatherproof type and hung from insulated stranded copper conductors of not less than No. 14 AWG.

(2) Where the pendent conductors exceed 900 millimetres in length, they shall be twisted together.

22-106 Fixtures

(1) Every lighting fixture in a Category 1 location shall be constructed so that water cannot enter or accumulate within the fixture.

(2) Every lighting fixture in a Category 2 location shall be totally enclosed, gasketed, and shall be of corrosion-resistant type of construction.

22-108 Receptacles, Plugs and Cords for Portable Equipment

(1) Every receptacle and attachment plug for portable equipment shall be:

- (a) Of the weatherproof type; and
- (b) Provided with approved grounding terminals and conductors properly connected to ground.

(2) Flexible cords or power supply cables for portable equipment shall contain a grounding conductor and be of the outdoor type suitable for hard usage as indicated in Table 11.

Wiring

22-200 Wiring Method in Category 1 Locations

(1) Where conductors are exposed to moisture in a Category 1 location they shall:

- (a) If used in exposed wiring, be of types specified in Table 19:

- (i) For exposed wiring in wet locations; or

- (ii) For exposed wiring where exposed to the weather, provided that they are located more than 1.5 metres horizontally or 2.5 metres vertically from floors, decks, balconies, or stairs; and

- (b) If used in conduit be of types specified in Table 19 for use in raceways for wet locations.

(2) Non-metallic sheathed cable of the NMW type may be used in a Category 1 location.

(3) Armoured cable may be used in a Category 1 location if of the type listed in Table 19 as suitable for direct earth burial.

(4) Split knobs or cleats shall not be used in a Category 1 location.

(5) Mineral-insulated cable may be used in a Category 1 location but, if the cable is secured to walls, it shall be spaced at least 6 millimetres from the wall at each point of support.

(6) Aluminum-sheathed cable may be used in a Category 1 location, provided it has suitable corrosion-resistant protection where necessary.

(7) Aluminum conductors shall not be used in Category 1 locations unless the termination or joint is adequately sealed against ingress of moisture.

22-202 Wiring Method in Category 2 Locations

(1) Where conductors are exposed to corrosive vapours in a Category 2 location, they shall be:

(a) If used in exposed wiring, be of types specified in Table 19 as being acceptable where exposed to corrosive action, provided that they are located more than 1.5 metres horizontally or 2.5 metres vertically from floors, decks, balconies or stairs; and

(b) If used in conduit, be of types specified in Table 19 as being acceptable where exposed to corrosive action.

(2) Non-metallic sheathed cable of the NMW type may be used in a Category 2 location.

(3) Surface metal raceways, underfloor raceways, bare conductors, armoured cable except where permitted in Table 19 for exposure to corrosive action, wireways, busways, and split knobs shall not be used in Category 2 locations.

(4) Mineral-insulated cable may be used in a Category 2 location if the corrosive action is not of such a nature as to cause deterioration of the outer sheath.

(5) Aluminum-sheathed cable may be used in a Category 2 location provided it has suitable corrosion-resistant protection where necessary.

(6) Aluminum conductors shall not be used in Category 2 locations unless the termination or joint is adequately sealed against ingress of corrosive liquids or vapours.

22-204 In Barns, Stables, or Other Farm Buildings

(1) Where non-metallic sheathed cable is used in barns, stables, or other farm buildings it shall be of the NMW type.

(2) Aluminum conductors shall not be used in barns, stables or similar buildings.

22-206 Rinks

(1) Conductors run as open wiring in accordance with Rules 12-200 to 12-224 may be used for the lighting of curling or skating rink areas which are subject to condensation provided that the conductors are suitable for wet locations as indicated by Table 19.

(2) The wiring method used in waiting rooms and other portions of rinks shall be in accordance with

Section 12 based on the area and moisture conditions involved.

(3) Rink areas provided with positive mechanical ventilation capable of changing the air at least 3 times per hour may be regarded as dry locations.

Drainage, Sealing and Exclusion of Moisture

22-300 Drip Loops. Where exposed conductors or non-metallic sheathed cables enter into or issue from a Category 1 or Category 2 location, the conductors shall pass through the wall of the location in an upward direction from the Category 1 or Category 2 location and in the case of exposed conductors, shall be in non-combustible, non-absorptive insulating tubes.

22-302 Drainage and Sealing

(1) Where conduit is used, it shall be:

(a) Arranged so as to drain at frequent intervals to suitable locations;

(b) Equipped with approved fittings which permit the moisture to drain out of the system; and

(c) Installed so as to afford 12 millimetres clearance from the supporting surface.

(2) Where a conduit or aluminum-sheathed cable enters a cooler atmosphere from a warmer atmosphere, it shall be sealed off so as to prevent breathing, and subsequent condensation, and in such a manner that condensate will not be trapped at the seal.

(3) Every joint in a conduit in a Category 1 location shall be watertight.

(4) Every cabinet and fitting in a Category 1 location shall be:

(a) Of splash proof or drip proof construction;

(b) Placed so as to prevent moisture or water from entering and accumulating within the cabinet or fitting; and

(c) Mounted so as to give at least 12 millimetres clearance from the supporting surface.

Circuit Control

22-400 Circuit Control. Every circuit in a Category 1 or Category 2 location shall, where practicable, be arranged so that the current-carrying conductors may be entirely cut off from the supply of electrical power or energy at a convenient point outside the location.

Materials

22-500 Corrosion Resistant Material. All conduits, metal enclosures and fittings including every bolt and screw used to secure electrical equipment shall be protected by or be of acceptable corrosion-resistant material judged suitable for the condition or approved for the specific corrosive environment.

Grounding

22-600 Exposed Metal Parts. Every non-current-carrying metal part of all fixed or portable electrical equipment, including appliances, fixtures, cabinets, and metal enclosures, shall be grounded in accordance with Section 10.

SECTION 24—PATIENT CARE AND OTHER AREAS IN HOSPITALS

24-000 Scope

(1) This Section applies to the installation in hospitals of:

- (a) Electrical wiring and equipment within patient care areas;
- (b) Anaesthetizing locations and other hazardous areas; and
- (c) Those portions of the electrical systems designated as essential electrical systems.

(2) This Section is supplementary to, or amendatory of, the general requirements of this Code.

24-002 Special Terminology. In this Section, the following definitions apply:

- (a) "Anaesthetizing location" means any area of a hospital which is designated for the administration of any flammable or non-flammable inhalation anaesthetic agent to a person in the course of an examination or treatment;
- (b) "Anaesthetizing location for flammable agents" means a designated anaesthetizing location in which flammable anaesthetics and/or flammable disinfecting agents are or may be administered to patients (e.g., operating rooms, delivery rooms, and anaesthesia rooms, and also any corridors, utility rooms, or other areas which are or may be used for administering flammable anaesthetics to patients);
- (c) "Anaesthetizing location for non-flammable agents" means any anaesthetizing location designated for the exclusive use of non-flammable inhalation anaesthetic agents and non-flammable disinfecting agents;
- (d) "Bed location" means a zone in a patient care area which has been pre-selected for the accommodation of a patient bed, table, or other supporting mechanism, and for the accommodation of equipment involved in patient treatment and this zone typically encloses a space within the room 1.8 metres beyond the perimeter of the bed in its normal location and extending vertically within 2.3 metres of the floor;
- (e) "Bed location grounding point" means a group of jacks connected to a common bus at a bed

location, which serves as a common point to which equipment and other grounding connections can be made;

- (f) "Conditional branch" means that portion of an essential electrical system in which circuits require power restoration by emergency service within 24 hours depending on special circumstances such as environmental or climatic conditions;
- (g) "Critical care area" means a patient care area in which there is normally or frequently an electrically conductive pathway between electromedical equipment and a patient's heart or great vessels;
- (h) "Delayed vital branch" means that portion of an essential electrical system in which the circuits require power restoration within 2 minutes;
- (i) "Emergency power system" means a power system supplied from an emergency supply and connected to feed essential systems;
- (j) "Emergency supply" means one or more in-house generators of electricity intended to be available in the event of a failure of all other supplies and capable of supplying all the essential loads;
- (k) "Essential electrical system" means an electrical system which has the capability of restoring and sustaining a supply of electrical energy to specified loads in the event of a loss of the normal supply of energy;
- (l) "Flammable anaesthetic" means a gas or vapour used in inhalation anaesthesia which at 37°C may form a flammable or explosive mixture with air or oxidizing agents (e.g., cyclopropane, divinyl ether, ethyl chloride, ethyl ether, or ethylene);
- (m) "Flammable disinfecting agent" means a disinfectant or germicide which, when used in conjunction with inhalation anaesthesia, forms flammable mixtures with air or oxidizing agents;
- (n) "General care area" means a patient care area in which a patient normally has not direct electrical connection to electromedical equipment;
- (o) "Hazard index" means, for a given set of conditions in an isolated power system, the maximum total current, (in milliamperes) composed of resistive and capacitive leakage and fault currents, that would flow through a connection of negligible impedance between either isolated conductor and ground;
- (p) "Hospital" means an institution where patients are accommodated on the basis of medical need

and are provided with continuing medical care and supporting diagnostic and therapeutic services;

- (q) "Intermediate care area" means a patient care area in which there is normally or frequently an electrically conductive pathway between electromedical equipment and a patient, but not directly to the heart or great vessels;
- (r) "Isolated system" means an electrical distribution system in which no circuit conductor is connected directly to ground;
- (s) "Line isolation monitor" means a device which measures and displays the total hazard index of an isolated electrical system, and provides warning when the index reaches a preset limit;
- (t) "Non-flammable anaesthetic agent" means an inhalation anaesthetic agent which, because of its vapour pressure at 37°C and at atmospheric pressure, cannot attain flammable concentrations when mixed with air, oxygen, or mixtures of oxygen and nitrous oxide;
- (u) "Normal supply" means the main electrical supply into a building or a building complex, and may consist of one or more consumer services capable of supplying all loads in the building or building complex;
- (v) "Patient care area" means an area intended primarily for the provision of diagnosis, therapy, or care;
- (w) "Total hazard index" means the hazard index of a given isolated system with all appliances, including the line isolation monitor, connected;
- (x) "Vital branch" means that portion of an essential electrical system in which the circuits require power restoration within 10 seconds.

Patient Care Areas Other Than Anaesthetizing Locations

24-100 Rules for Patient Care Areas Other Than Anaesthetizing Locations. Rules 24-102 through 24-110 shall apply to those patient care areas other than anaesthetizing locations, that have been designated by the hospital administration, in a manner acceptable to the governmental or other authority having jurisdiction as:

- (a) General care areas;
- (b) Intermediate care areas; or
- (c) Critical care areas.

24-102 Circuits in General Care Areas

(1) The branch circuits supplying receptacles and other permanently wired equipment in general care

areas shall be supplied from a grounded distribution system.

(2) A single branch circuit shall supply receptacles for not more than four bed locations.

(3) A branch circuit which supplies receptacles at bed locations or permanently wired electromedical equipment shall not supply receptacles intended for housekeeping purposes.

(4) All branch circuits for a bed location shall be supplied from a single panelboard, except for branch circuits intended to be part of an essential electrical system, which may be supplied from two panelboards, one of which is part of the essential system (see also Rule 2-100(3)).

(5) Branch circuits shall be supplied at not more than 150 volts-to-ground, unless designated for special purpose use (e.g., to supply portable X-ray equipment) or supplying only permanently wired equipment.

24-104 Grounding in General Care Areas

(1) All receptacles and other permanently wired equipment at bed locations shall be grounded by an insulated copper equipment grounding conductor.

(2) Equipment grounding conductors shall be terminated either at the panelboard supplying the branch circuits to the bed location from which they originate or on a grounding bus which is bonded by an insulated copper grounding conductor to that panelboard.

(3) Existing construction using metallic raceways which does not use a separate grounding conductor shall be permitted to continue in use.

24-106 Receptacles in General Care Areas

(1) In general care areas, there shall be a minimum of 1 duplex or 2 single receptacles per bed location in addition to those designated for housekeeping or other special purposes.

(2) All receptacles that are part of an essential electrical system shall be coloured red, and no other receptacles shall be so coloured.

24-108 Circuits in Intermediate and Critical Care Areas. The branch circuits supplying receptacles and other permanently wired equipment in any intermediate or critical care bed location shall be supplied from either an isolated system meeting the requirements of Rule 24-400 or a grounded system meeting the requirements of Rule 24-102 except that:

- (a) All branch circuits, other than those supplying multi-phase equipment, shall be 2-wire circuits; and
- (b) Each bed location shall be provided with at least one branch circuit.

24-110 Grounding in Intermediate and Critical Care Areas

(1) All receptacles and other permanently wired equipment shall be grounded by insulated copper equipment grounding conductors, run with the circuit conductors, in accordance with the following:

- (a) Except as specified in Paragraph (b) each 2-wire branch circuit supplying a single phase receptacle at a bed location shall be provided with an insulated copper equipment grounding conductor;
- (b) Whenever the single-phase receptacles at the bed location are supplied from two or more 2-wire branch circuits in the same conduit, a single insulated copper equipment grounding conductor shall be permitted to be shared by the circuits.

(2) Insulated equipment grounding conductors required by Subrules (1) and (4), shall terminate either at the panelboard supplying the branch circuits to the bed location from which they originate or on a grounding bus which is bonded by a insulated copper grounding conductor to that panelboard.

(3) Each item of 3-phase equipment shall be grounded with an insulated copper equipment grounding conductor, sized in accordance with Table 16, but in no case less than No. 12 AWG, connected independently both at the equipment and at the panelboard.

(4) All exposed non-current-carrying metallic parts of fixed or portable electrical equipment at a bed location, if they could become energized, shall be grounded either to an insulated copper equipment grounding conductor, identified in Subrule (2) or to the grounding bus for that bed location.

(5) If a bed location grounding point is provided, it shall be bonded to the panelboard serving the bed location with which it is associated by either:

- (a) A bonding jumper connecting it to the grounding terminal in an enclosure which accommodates the receptacles for a bed location; or
- (b) An insulated copper equipment grounding conductor which is installed for that specific purpose.

24-112 Receptacles in Intermediate and Critical Care Areas. Receptacles in intermediate and critical care areas shall conform to Rule 24-106 except that:

- (a) Receptacles intended for a given bed location shall be located to minimize the risk of their inadvertent use for a bed location for which they are not intended;
- (b) All 15 ampere and 20 ampere non-locking receptacles shall be Hospital Grade; and

- (c) Receptacles intended for housekeeping purposes shall be permitted to be other than Hospital Grade.

24-200 Rules for anaesthetizing locations for non-flammable agents. Rules 24-202 through 24-206 shall apply to the locations in a hospital that have been designated by the hospital administration, in a manner acceptable to the governmental or other authority having jurisdiction as anaesthetizing locations for non-flammable anaesthetizing agents.

24-202 Circuits in Anaesthetizing Locations for Non-flammable Anaesthetizing Agents. Where supplied by a grounded system, circuits in anaesthetizing locations for non-flammable anaesthetic agents shall conform to Rule 24-108, except for receptacles and permanently wired surgical lighting fixtures that shall be supplied by an isolated system and shall conform to Rule 24-400.

24-204 Grounding

(1) Grounding in anaesthetizing locations for non-flammable anaesthetic agents shall conform to Rule 24-110.

(2) Notwithstanding Subrule (1), where non-metallic conduit is used with conductors supplying 2 or more circuits, 2 insulated copper equipment grounding conductors shall be provided with each grounding conductor being connected separately both at the outlet box and at the panelboard supplying the receptacles.

24-206 Receptacles. Receptacles in anaesthetizing locations for non-flammable anaesthetic agents shall conform to Rule 24-112 and shall be installed at least 300 millimetres above floor level in order to minimize the possibility of entrance and entrapment of water during washing and sterilizing procedures.

Anaesthetizing Locations for Flammable Anaesthetic and Disinfecting Agents

24-300 Rules for Anaesthetizing Locations for Flammable Anaesthetic and Disinfecting Agents. Rules 24-302 through 24-314 shall apply to the locations in a hospital that have been designated by the hospital administration, in a manner acceptable to the governmental or other authority having jurisdiction as:

- (a) Anaesthetizing locations for flammable anaesthetic and disinfecting agents; or
- (b) Storage locations for flammable anaesthetics.

24-302 Hazardous Areas

(1) Any room or space in which flammable anaesthetics are stored shall be considered to be a Class I, Division 1, hazardous location for gases and vapours of Group C throughout.

(2) In an anaesthetizing location for flammable agents, the zone extending:

- (a) In Plan View, 500 millimetres horizontally from the patient's (operating) table, and from the anaesthesia equipment; and
- (b) In Elevation, from the floor to 1500 millimetres above the floor, and/or to 500 millimetres above the patient and anaesthesia equipment whichever is the greater;

shall be considered to be a Class I, Division 1, hazardous location.

24-304 Wiring and Equipment Within Hazardous Areas

(1) In a hazardous area, all fixed electrical wiring and equipment, shall conform to the requirements of Section 18 for Class I, Division 1, hazardous locations for gases and vapours of Group C.

(2) Where a box, fitting, or enclosure is partially but not entirely within a hazardous area, the hazardous area shall be considered to be extended to include the entire box, fitting or enclosure.

24-306 Wiring and Equipment Above Hazardous Areas

(1) Wiring above a hazardous area shall be installed in metal raceways, or shall be metal sheathed or armoured cable.

(2) Notwithstanding Subrule (1), branch circuits of an isolated system which are located above a hazardous area shall be permitted to be installed in rigid PVC (unplasticized) conduit.

(3) Equipment which may produce arcs, sparks or particles of hot metal, such as lamps and lampholders for fixed lighting less than 2,400 millimetres above the floor, cutouts, switches, receptacles, generators, motors, or other equipment having make and break or sliding contacts, shall be:

- (a) Of the totally enclosed type; or
- (b) Provided with suitable guards or screens to prevent the escape of sparks or hot metal particles.

(4) Surgical and other lighting fixtures which are capable of being lowered into a hazardous area shall be approved for Class I, Division 1, hazardous locations for gases and vapours of Group C and shall have a maximum external temperature rating of 160°C or T3C (see also Rule 18-052).

24-308 Circuits in Anaesthetizing Locations for Flammable Anaesthetic and Disinfecting Agents

(1) Except as provided in Subrule (2) each circuit within or partially within an anaesthetizing location for flammable anaesthetic and disinfecting agents shall conform to the requirements of Rule 24-400.

(2) Branch circuits supplying only permanently installed X-ray equipment and fixed lighting fixtures above a hazardous area, except permanently wired surgical lighting fixtures shall be permitted to be supplied by a conventional grounded system provided:

- (a) The lighting fixtures and the X-ray equipment, other than the enclosed X-ray tube and the metal-enclosed high-voltage leads to the tube, are located at least 2,400 millimetres above the floor or beyond the lateral limits of the hazardous area; and
- (b) Switches for the grounded circuits are located outside of the hazardous area, except that remote-control stations for remotely controlled switches may be within the hazardous area, when the remote-control circuit is energized from an isolated distribution system.

24-310 Grounding. Grounding in anaesthetizing locations for flammable anaesthetics shall conform to Rule 24-204.

24-312 Receptacles

(1) Receptacles shall conform to the requirements of Rule 24-206.

(2) Whenever possible, receptacles shall be located outside hazardous areas and outside regions above hazardous areas.

24-314 Other Equipment

(1) All equipment that is within a hazardous area shall be approved for Class I, Division 1, hazardous locations for gases and vapours of Group C.

(2) X-ray equipment installed or operated in a hazardous zone in addition to all other rules pertaining to X-ray equipment shall:

- (a) Be provided with approved means for preventing accumulation of electrostatic charges; and
- (b) Have all control devices, switches, relays, meters, and transformers totally enclosed.

Isolated Systems

24-400 Rules for Isolated Systems

(1) Rules 24-402 through 24-408 shall apply to isolated systems installed under the provisions of Rule 24-108, 24-202(2) or 24-308(1).

(2) In a location supplied by an isolated system, branch circuits supplying only permanently installed X-ray equipment and fixed lighting fixtures, except permanently wired surgical lighting fixtures shall be permitted to be supplied from a conventional grounded system provided that conductors for

grounded and isolated circuits do not occupy the same raceway.

24-402 Sources of Supply

(1) The means of supply to an isolated system shall be:

- (a) The secondary of one or more transformers having no direct connection between primary and secondary windings plus a grounded metallic shield between these two windings;
- (b) A motor-generator set; or
- (c) A suitably isolated, battery-powered inverter supply.

(2) Isolating transformers, generators, motor-generator sets, and their overcurrent devices shall be installed in non-hazardous locations and shall conform to the requirements of this Code for such locations.

(3) All circuits supplying primaries of any isolating transformer shall:

- (a) Operate at not more than 300 volts between conductors;
- (b) Be fed from a single panelboard, unless the transformer is to be energized from an essential electrical system in which case the primaries may be fed from two panelboards, one of which is part of the essential electrical system.

24-404 Isolated Circuits

(1) Except where Rule 24-406 applies, isolated circuits shall meet the requirements of Rule 24-404(2) through 24-404(7).

(2) Isolated circuits shall:

- (a) Not be deliberately grounded except through the impedance of an approved isolation sensing device (e.g., isolation monitor);
- (b) Be constructed with circuit conductors of one of the following types:
 - (i) RW75 EP;
 - (ii) RW75 XLPE;
 - (iii) RW90 EP; or
 - (iv) RW90 XLPE;
- (c) Have the circuit conductors clearly identified by the colours, brown and orange, or other means unique to the facility;
- (d) Have approved overcurrent devices that will open all circuit conductors simultaneously.

(3) Any disconnecting means controlling an isolated circuit shall safely and simultaneously disconnect all ungrounded conductors.

(4) Single-phase isolated circuits shall be 2-wire circuits with insulated copper equipment grounding conductors, operating at voltages (rms) between conductors not exceeding:

- (a) 300 volts for special use receptacles and for permanently wired equipment; and
- (b) 150 volts for other receptacles.

(5) An isolated system shall include approved automatic means (a line isolation monitor), with an indicator located where visible to persons using the system, to monitor the impedance-to-ground of the system, together with any loads connected to it.

(6) At the time of installation the total impedance (capacitive and resistive) between each energized conductor and the grounding circuit, of an isolated system shall exceed 500,000 ohms, without utilization equipment or the line isolation monitor connected.

(7) Where a single-phase isolated system is employed, it shall supply:

- (a) General-purpose receptacles at:
 - (i) A single anaesthetizing location;
 - (ii) One or more bed locations in a single room; or
 - (iii) A maximum of two bed locations in separate but adjacent rooms, provided that the alarm indicator clearly identifies the bed locations affected by the fault;
- (b) Special purpose receptacles at different anaesthetizing locations or in different rooms, provided that the system is used only for the one purpose.

24-406 Three-phase Isolated Systems. A 3-phase isolated system shall:

- (a) Supply only permanently wired equipment; and
- (b) Meet the requirements of Rule 24-404.

Essential Electric Systems

24-500 Rules for Essential Electrical Systems. Rules 24-502 through 24-506 shall apply to those portions of a hospital electrical system in which the interruption of a normal supply of power would jeopardize the effective and safe care of patients, with the object of reducing those hazards that might arise from such an interruption.

24-502 Circuits in Essential Electrical Systems

(1) An essential electrical system shall comprise those circuits that supply loads designated by the hospital administration as being essential for the life safety and care of the patient, and the effective operation of the hospital.

(2) An essential electrical system shall comprise at least a vital branch, and may also include a delayed vital branch or a conditional branch, or both.

(3) The wiring of the essential electrical system shall be kept entirely independent of all other wiring and equipment, and shall not enter a fixture, raceway, box or cabinet occupied by other wiring except where necessary in:

- (a) transfer switches; and
- (b) emergency lighting fixtures supplied from two sources.

24-504 Transfer Switches

(1) All transfer switches shall be approved and shall be acceptable to the supply authority.

(2) Automatic transfer switches used in essential electrical systems shall conform to the requirements of CSA Standard C22.2 No. 178, Automatic Transfer Switches, and in addition, shall:

- (a) Be electrically operated and mechanically held;
- (b) Include means for safe manual operation; and
- (c) Include a by-pass system around the transfer switch.

(3) Manual transfer switches shall conform to the following:

- (a) The switching means shall be mechanically held and the operation shall be direct manpower or by electrical remote manual control utilizing control power from the supply to which the load is being transferred;
- (b) A manual transfer switch which is operated by electrical remote manual control shall include a means for safe manual mechanical operation;
- (c) Reliable mechanical interlocking and, in the case of a switch operated by electrical remote manual control, electrical interlocking to prevent interconnection of the normal and the emergency supplies of power shall be inherent in the design of a manual transfer switch; and
- (d) A manual transfer switch shall include a readily visible mechanical indicator showing the switch position.

(4) The vital and delayed vital branches shall be connected to the emergency power by means of one or more automatic transfer switches.

(5) The conditional branch shall be connected to the emergency power supply by either a manual or an automatic transfer switch.

24-506 Emergency Supply

(1) An emergency supply shall be one or more generator sets driven by a prime mover and located on the hospital premises in a fire-resistant enclosure or room in accordance with the Ontario Building Code and in such a manner as to minimize the possibility of flooding and damage.

(2) The prime mover of the generating set as specified in Subrule (1) shall be capable of operating independantly of supplies of water and fuel from other sources of supply.

SECTION 26— INSTALLATION OF ELECTRICAL EQUIPMENT

General

26-000 Fusible Equipment. Fusible equipment shall employ low-melting point fuses of the type referred to in Rule 14-200 or HRC Form I fuses when connected to conductors whose ampacity is based on Table 1 or 3 or Column 4 of Table 2 or 4, unless equipment using other types of fuses is marked as being suitable for such use.

26-002 Connection to Identified Terminals or Leads. Wherever a device having an identified terminal or lead is connected in a circuit having an identified conductor, the identified conductor shall be connected to the identified terminal or lead.

26-004 Equipment on Combustible Floors. A floor of combustible material directly under stationary or fixed electrical equipment with open bottoms shall be covered with a plate of steel which shall extend at least 150 millimetres beyond the equipment on all sides.

26-006 Sprinklered Equipment. Where electrical equipment vaults or electrical equipment rooms are required to be sprinklered by the provisions of the National Building Code of Canada, the electrical equipment contained in such vaults or rooms shall be protected where needed by noncombustible hoods or shields so arranged as to minimize interference with the sprinkler protection.

26-008 Outdoor Installations

(1) Outdoor installations of apparatus, unless housed in suitable enclosures, shall be surrounded by suitable fencing in accordance with Rules 26-300 to 26-324 of this Code or as may be otherwise directed by the inspection department.

(2) Outdoor equipment shall be grounded in an acceptable manner.

26-010 Liquid-Filled Equipment, Indoors

(1) Liquid-filled electrical equipment containing more than 5 gallons of liquid in one tank shall be located in an electrical equipment vault.

(2) Except as permitted in Subrule (4), liquid-filled electrical equipment containing 5 gallons of liquid or less in one tank, shall be:

- (a) Installed in a building or room of fire-resisting construction;
- (b) Provided with a metal pan or concrete curbing capable of collecting and retaining all the liquid of the tank or tanks;
- (c) Isolated from other apparatus by fire-resisting barriers; metal-enclosed equipment being considered as providing segregation and isolation; and
- (d) Separated from other liquid-filled electrical equipment by such a distance that, if the liquid in such equipment were spread at a density of 1 gallon per 4 square feet, the areas so covered would not overlap, these areas being deemed to be circular if the tank or group of tanks is in an open area, semi-circular if the tank is against a wall and quarter-sector if the tank is in a corner.

(3) Notwithstanding Subrules (1) and (2), motor starters may have these quantities of liquids doubled.

(4) Notwithstanding Subrule (2), capacitors filled with flammable liquids of 3 gallons or less in each tank shall not be required to be installed in an electrical equipment vault nor in a building nor room of fire-resisting construction, provided that:

- (a) A metal pan or concrete curbing which is capable of collecting and retaining all the liquid of the tank or tanks is installed;
- (b) No other liquid-filled electrical equipment nor any combustible surface or material is within 4 metres unless segregated by fire-resisting barriers; metal-enclosed equipment being considered as providing segregation; and
- (c) Each capacitor tank is provided with overcurrent protection to minimize case rupture.

26-012 Liquid-Filled Equipment, Outdoors

(1) Liquid-filled electrical equipment containing more than 10 gallons in one tank, or 30 gallons in a group of tanks, and installed outdoors shall not, except as permitted by Subrule (3), be located within 6 metres of:

- (a) Any combustible surfaces or material on a building;
- (b) Any door or window; or
- (c) Any ventilation inlet or outlet.

(2) The dimension referred to in Subrule (1) shall be the shortest line-of-sight distance from the face of the container containing the flammable liquid to the building or part of the building in question.

(3) Notwithstanding the requirements of Subrule (1), the equipment may be installed within 6 metres of a building providing a suitable fire-resisting wall or barrier is constructed, in a manner acceptable to the supply authority and the inspection department, between the building and the equipment.

(4) Where liquid-filled electrical equipment containing more than 10 gallons in one tank, or 30 gallons in a group of tanks, are installed outdoors they shall:

- (a) Be inaccessible to unauthorized persons;
- (b) Not obstruct fire fighting operations;
- (c) If installed at ground level, be located on a concrete pad draining away from structures or be in a curbed area filled with coarse crushed stone; and
- (d) Not have open drains for the disposal of flammable liquid in the proximity of combustible construction or materials.

Isolating Switches

26-100 Location of Isolating Switches

(1) Isolating switches may be located so as to require the use of a hook stick to operate them.

(2) Isolating switches shall be plainly marked so as to make it unlikely that they will be opened under load, unless:

- (a) They are located or guarded so as to render them inaccessible to unauthorized persons; or
- (b) They are interlocked so that they cannot normally be opened under load.

Circuit Breakers

26-120 Indoor Installation of Circuit Breakers

(1) Circuit breakers installed indoors shall be located in compliance with the following:

- (a) Circuit breakers rated at more than 15,000 volts shall be installed in a fire-resisting switch-room or motor room, or in an electrical equipment vault in accordance with Rules 26-350 to 26-356;
- (b) Liquid-filled circuit breakers shall also be installed in accordance with Rule 26-010.

(2) Circuit breakers installed in electrical equipment vaults shall be operable without opening the door of the vault.

Fuses

26-140 Installation of Fuses

- (1) Fuses shall be located so that:
 - (a) Their operation will not result in injury to persons or damage to property or other equipment;
 - (b) They can be readily inserted or removed; and
 - (c) They will be accessible to authorized persons only, when used on high-voltage circuits.

(2) Where the voltage exceeds 15,000 volts between conductors on an ungrounded system or 15,000 volts phase-to-neutral on a grounded neutral system, fuses shall not be located indoors unless in a room of fire-resisting construction or in an acceptable enclosure.

Capacitors

26-200 Capacitors Excepted. The requirements of Rules 26-202 to 26-218 shall not apply to capacitors which form component parts of factory assembled electrical equipment nor to surge protective capacitors.

26-202 Capacitors Installed Indoors. Liquid-filled capacitors located indoors shall be installed in accordance with Rule 26-010.

26-204 Guarding of Capacitors. All live parts of capacitors shall be inaccessible to unauthorized persons.

26-206 Grounding of Capacitors. Non-current-carrying metal parts of capacitors shall be grounded.

26-208 Conductor Size for Capacitors

(1) The continuous current rating of capacitor feeder circuits and branch circuits shall be not less than 135 per cent of the rated current of the capacitor.

(2) Where a branch circuit supplies two or more capacitors the overcurrent device protecting the conductors of the branch circuit may be considered as protecting taps made thereto to supply single capacitors provided that:

- (a) The tap is not more than 7.5 metres long; and
- (b) Its conductors comply with Subrule (1) and also have an ampacity not less than $\frac{1}{3}$ that of the branch circuit conductors from which they are supplied.

26-210 Overcurrent Protection. An overcurrent device, rated or set as low as practicable without causing unnecessary opening of the circuit, but not exceeding 250 per cent of the rated current of the capacitor except by special permission shall be provided in each ungrounded conductor of a capacitor feeder or branch circuit.

26-212 Disconnecting Means for Capacitor Feeders or Branch Circuits

(1) A disconnecting means having a continuous ampacity not less than 135 per cent of the rated current of the capacitor shall be provided in each ungrounded conductor of the capacitor feeder or branch circuit.

(2) The disconnecting means shall be within sight of and not more than a distance of 9 metres from the capacitors unless the disconnecting means can be locked in the open position.

26-214 Special Provisions for Motor Circuit Capacitors. A capacitor connected on the load side of a motor circuit disconnecting means shall be subject to the following special provisions:

- (a) Individual disconnecting means for the capacitor need not be provided;
- (b) If connected on the load side of the motor overcurrent device, individual overcurrent protection for the capacitor need not be provided;
- (c) The rating of the disconnecting means and the overcurrent device and the size of the motor-circuit conductors need not be greater than would be required without the capacitor;
- (d) The continuous current ratings of the conductors connecting the capacitor to the motor circuit shall be in accordance with Rule 26-208 and shall be not less than $\frac{1}{3}$ that of the motor-circuit conductors;
- (e) If connected on the load side of the motor overload device:
 - (i) The rating of the capacitor shall not exceed the value required to raise the no-load power factor of the motor to unity; and
 - (ii) The rating or setting of the overload device shall be reduced to a value corresponding with the current obtained with the improved power factor.
- (f) Capacitors shall not be connected on the load side of the motor overload device where the motor is subject to unusual switching service such as plugging, rapid reversals, reclosings, jogging or other similar operations that generate overvoltages and over-torques.

26-216 Transformers used with Capacitors. The kva rating of a transformer used with a capacitor shall be not less than 135 per cent of the capacitor kva rating.

26-218 Drainage of Stored Charge of Capacitors

(1) Capacitors shall be provided with a means of draining the stored charge.

(2) The draining means shall be such that the residual voltage will be reduced to 50 volts or less after the capacitor is disconnected from the source of supply:

- (a) Within 1 minute in the case of capacitors rated at 750 volts or less; and
- (b) Within 5 minutes in the case of capacitors rated at more than 750 volts.

(3) The discharge circuit shall be:

- (a) Permanently connected to the terminals of the capacitor or capacitor bank; or
- (b) Provided with automatic means of connecting it on removal of voltage from the line.

(4) The discharge circuit shall not be switched or connected by manual means.

(5) Motors, transformers, or other electrical equipment capable of constituting a suitable discharge path, connected directly to capacitors without the interposition of a switch or overcurrent device, constitute a suitable discharge path.

Transformers

26-240 Transformers, General

(1) Transformers shall be constructed so that all live parts are enclosed unless they are installed so as to be inaccessible to unauthorized persons.

(2) Transformers shall be protected from mechanical damage.

(3) Liquid-filled transformers shall be mounted so that there will be an air space of 150 millimetres between transformers, and between transformers and adjacent surfaces of combustible material except the plane on which the transformer is mounted.

26-242 Outdoor Transformer Installations. Where transformers, including their conductors, control, and protective equipment are installed outdoors they shall:

- (a) If oil-filled, be installed in accordance with Rule 26-012;
- (b) If isolated by elevation, have the bottom of their platform not less than 3.6 metres above the ground;
- (c) If not isolated by elevation or not housed in suitable enclosures, have the entire installation surrounded by a suitable fence in accordance with Rule 26-300 to 26-324 of this Code, or as may be otherwise directed by the inspection department; and
- (d) Have, conspicuously posted, suitable warning signs indicating the highest potential employed except where there is no exposed live part.

26-244 Transformers Mounted on Roofs

(1) Except as permitted by Subrule (2) liquid-filled transformers installed on the roof of a building, shall be located in an electrical equipment vault in accordance with Rules 26-350 to 26-356, and adequately supported by means of a fire-resisting construction.

(2) Transformers containing a non-propagating liquid suitable for the purpose, having a fire-point not less than 300°C, installed on the roof of a building need not be located in an electrical equipment vault, but shall not be placed adjacent to doors or windows, nor within 4.5 metres of discharge vents for flammable fumes, or combustible or electrically conductive dusts.

26-246 Liquid-Filled Transformers Indoors

(1) Except as permitted by Subrule (2) liquid-filled transformers shall be installed in accordance with Rule 26-010.

(2) Transformers containing a non-propagating liquid, suitable for the purpose, having a fire-point not less than 300°C located indoors shall be installed in a transformer vault unless:

- (a) The transformer is protected from mechanical damage either by location or guarding;
- (b) A pressure relief vent is provided where the rating exceeds 25 kva at 25 cycles or 37½ kva at 60 cycles;
- (c) A means of absorbing gases generated by arcing inside the case, or a pressure relief vent connected to outdoors, is provided where the transformer is installed in a poorly ventilated location; and
- (d) Where the voltage rating exceeds 15,000 volts, the transformer is installed in a room of fire-resisting construction accessible only to authorized persons.

26-248 Dry-Core, Open-Ventilated Type Transformers

(1) Transformers of the dry-core open-ventilated type shall be mounted so that there will be an air space between the transformer casing and adjacent surfaces, except floors, of:

- (a) 300 millimetres if the adjacent surface be of combustible material; or
- (b) 6 millimetres if the adjacent surfaces are of:
 - (i) Noncombustible material;
 - (ii) Combustible material adequately protected by noncombustible, heat-insulating material other than sheet metal; or
 - (iii) Combustible material shielded by grounded sheet metal with an air space of not less than 50 millimetres between the sheet metal and the combustible material.

(2) Dry-type transformers not of the sealed type shall not be installed below grade level unless adequate provision is made to prevent flooding.

(3) Dry-type transformers not of the sealed type shall be installed in such a manner that water or other liquids cannot fall on to the windings.

(4) Dry-type transformers, if mounted directly on a floor of combustible material, shall be provided with a floor plate of steel, with a sheet of asbestos or similar material on the underside, which shall extend at least 150 millimetres beyond the transformer on all sides.

26-250 Disconnecting Means for Transformers. A disconnecting means shall be installed in the primary circuit of each transformer or each bank of transformers operating as a unit.

26-252 Overcurrent Protection for Power and Distribution Transformers Rated Over 600 Volts

(1) In this Rule "transformer" shall mean a single-phase transformer, a polyphase transformer, or a polyphase bank of two or three single-phase transformers operating as a unit.

(2) Except as permitted in Subrules (3), (4), and (5), each transformer shall be protected by an individual overcurrent device on the primary side, which shall be rated at not more than 150 per cent of the rated primary current of the transformer in the case of fuses, and which shall be set at not more than 300 per cent of the rated primary current of the transformer in the case of circuit breakers.

(3) Where 150 per cent of the rated primary current of the transformer does not correspond to a standard rating of a fuse, the next higher standard rating shall be permitted.

(4) An individual overcurrent device shall not be required where the feeder or branch circuit overcurrent device provides the protection specified in this Rule.

(5) A transformer having an overcurrent device on the secondary side rated or set at not more than the values in Table 50 or a transformer equipped with coordinated thermal overload protection by the manufacturer, shall not be required to have an individual overcurrent device on the primary side provided the primary feeder overcurrent device is rated or set at not more than the values in Table 50.

26-254 Overcurrent Protection for Power and Distribution Transformers Rated 600 Volts or Less, Other than Dry Type Transformers.

(1) In this Rule "transformer" shall mean a single-phase transformer, a polyphase transformer, or a polyphase bank of two or three single-phase transformers operating as a unit.

(2) Except as permitted in Subrules (3), (4), (5), (6), and (7), each transformer shall be protected by an individual overcurrent device on the primary side, rated or set at not more than 150 per cent of the rated primary current of the transformer.

(3) Where the rated primary current of a transformer is:

- (a) Nine amperes or more, and 150 per cent of this current does not correspond to a standard rating of a fuse or non-adjustable circuit breaker, the next higher standard rating shall be permitted; or
- (b) Less than 9 amperes, an overcurrent device rated or set at not more than 167 per cent of the rated primary current shall be permitted, except that where the rated primary current is less than 2 amperes an overcurrent device rated or set at not more than 300 per cent of the rated primary current shall be permitted.

(4) An individual overcurrent device shall not be required where the feeder or branch circuit over-

current device provides the protection specified in this Rule.

(5) A transformer having an overcurrent device on the secondary side rated or set at not more than 125 per cent of the rated secondary current of the transformer shall not be required to have an individual overcurrent device on the primary side provided the primary feeder overcurrent device is rated or set at not more than 300 per cent of the rated primary current of the transformer.

(6) Notwithstanding Subrule (5), where the rated secondary current of a transformer is:

- (a) Nine amperes or more, and 125 per cent of this current does not correspond to a standard rating of a fuse or non-adjustable circuit breaker, the next higher standard rating shall be permitted; or
- (b) Less than 9 amperes, an overcurrent device rated or set at not more than 167 per cent of the rated secondary current shall be permitted.

(7) A transformer equipped with coordinated thermal overload protection by the manufacturer and arranged to interrupt the primary current, shall not be required to have an individual overcurrent device on the primary side if the primary feeder overcurrent device is rated or set at a value:

- (a) Not more than 6 times the rated current of the transformer for a transformer having not more than $7\frac{1}{2}$ per cent impedance; or
- (b) Not more than 4 times the rated current of the transformer for a transformer having more than $7\frac{1}{2}$ per cent but not more than 10 per cent impedance.

26-255 Overcurrent Protection for Low-Voltage Dry-Type Transformers

(1) In this Rule "transformer" shall mean a single-phase transformer, a polyphase transformer, or a polyphase bank of two or three single-phase transformers operating as a unit.

(2) Except as permitted in Subrule (3), each transformer shall be protected by an individual overcurrent device, on the primary side, rated or set at not more than 125 per cent of the rated primary current of the transformer and this primary overcurrent device shall be permitted to be considered as protecting secondary conductors and panelboards rated at 125 per cent or more of the rated secondary current.

(3) Notwithstanding Subrule (2), a transformer having an overcurrent device on the secondary side set at not more than 125 per cent of the rated secondary current of the transformer shall not be required to have an individual overcurrent device on the primary side provided the primary feeder overcurrent device is set at not more than 300 per cent of the rated primary current of the transformer.

(4) Where 125 per cent of the rated primary current of the transformer does not correspond to a standard

rating of the overcurrent device, the next higher standard rating shall be permitted.

26-256 Conductor Size for Transformers

(1) The conductors supplying transformers shall have an ampacity rating:

- (a) Not less than 125 per cent of the rated primary current of the transformer for a single transformer; or
- (b) Not less than the sum of the rated primary currents of all transformers plus 25 per cent of the rated primary current of the largest transformer for a group of transformers operated in parallel or on a common feeder.

(2) The secondary conductors connected to transformers shall:

- (a) Have an ampacity rating not less than 125 per cent of the rated secondary current of the transformer for a single transformer;
- (b) Have an ampacity rating not less than 125 per cent of the sum of the rated secondary currents of all the transformers operated in parallel; or
- (c) Be permitted to have an ampacity rating not less than that required by the demand load, provided they are protected in accordance with Rule 14-100.

(3) Where multi-rating transformers are used, the primary and secondary conductors shall have an ampacity rating not less than 125 per cent of the rated primary and secondary current of the transformer at the utilization voltage.

26-258 Overcurrent Protection of Instrument Voltage Transformers

(1) Except under the conditions of Subrules (2), (3), and (4), instrument voltage transformers shall have primary fuses rated not more than:

- (a) 10 amperes for low-voltage circuits; and
- (b) 3 amperes for high-voltage circuits.

(2) Primary fuses shall not be installed where they would be connected in the grounded primary neutral connection of "Y" or "Open Y" connected voltage transformers.

(3) Primary fuses may be omitted:

- (a) Where the transformers are protected by adequate power fuses or other adequate protective devices for clearing equipment failures; and convenient means are provided for disconnecting the transformers on the primary side;
- (b) Where voltage transformers and meters, operating at low-voltage and installed in suit-

able enclosures, are used in place of self-contained meters; or

(c) Where both voltage and current transformers are supplied by the manufacturer in a single enclosure filled with an acceptable insulating medium, which may be air for use on low-voltage circuits if the enclosure is non-combustible, and where:

- (i) The primary terminals outside the enclosure are common to both voltage and current transformers; and
- (ii) The enclosures are installed outdoors if filled with an insulating medium which will burn in air.

(4) The installation of primary fuses in the centre (common) phase primary connection of "Open-delta" connected potential (voltage) transformers shall be subject to agreement between the supply authority and the inspection department.

26-260 Marking of Transformers. Each transformer shall be provided with a nameplate bearing the following marking:

- (a) Maker's name;
- (b) Rating in kva;
- (c) Rated full-load temperature rise;
- (d) Primary and secondary voltage ratings;
- (e) Frequency in Hertz;
- (f) Liquid capacity, if of the liquid-filled type;
- (g) Type of liquid to be used, if it is to be filled with an approved nonflammable liquid;
- (h) Rated impedance, if of the power or distribution type; and
- (i) Basic impulse insulation level (BIL) for transformers rated 2.5 kilovolts voltage class and higher.

26-262 Auto-Transformers

(1) In this Rule "auto-transformers" means transformers in which part of the turns are common to primary and secondary alternating current circuits.

(2) Auto-transformers shall not be connected to interior-wiring systems other than a wiring system or circuit used wholly for motor purposes unless:

- (a) The system supplied contains an identified grounded conductor solidly connected to a similar identified grounded conductor of the system supplying the auto-transformer;
- (b) The auto-transformer is used for starting or controlling an induction motor;
- (c) The auto-transformer supplies a circuit wholly within the apparatus which contains the auto-transformer; or

- (d) The auto-transformer is used for fixed voltage adjustment on an existing power circuit having no identified grounded conductor.

(3) Where an auto-transformer is used for starting or controlling an induction motor it may be included in a starter case or it may be installed as a separate unit.

Fences

26-300 General. Rules 26-302 to 26-324 apply to fences for guarding electrical equipment, especially transformers, when located outdoors.

26-302 Clearance of Equipment

(1) The minimum clearance between the fence and unguarded live parts shall be in accordance with Table 33.

(2) The minimum clearance between the fence and enclosures containing live parts shall be 1.1 metres.

(3) The clearance shall provide adequate working space around the equipment, taking into consideration the space required for draw-out type of equipment and the opening of enclosure doors.

26-304 Height of Fence. The fence, excluding barbed wire, shall be not less than 1.8 metres high.

26-306 Barbed Wire. The fence shall be topped with not less than 3 strands of barbed wire.

26-308 Setting of Posts

(1) Posts shall be set at a depth of 1.1 metres for end, gate, and corner posts and 1 metre for line posts wherever ground conditions will permit.

(2) Where ground conditions will not permit this depth, extra bracing or concrete footings shall be provided.

(3) Concrete footings may be required for metal posts in any case.

(4) The spacing between posts shall be 3 metres maximum.

(5) End, gate, and corner posts shall be adequately braced against strain.

26-310 Gates

(1) Gates shall preferably open outwardly but, if it is necessary that they open inwardly, they shall not come into contact with the frame or enclosure of any electrical equipment when open.

(2) Gates shall be adequately braced as necessary and double gates shall be used where the width of opening exceeds 1.5 metres.

(3) Centre stops shall be provided for double gates.

(4) Gates shall have provision for securing with padlocks.

26-312 Chain Link Fabric

(1) Chain link fabric shall be securely attached to all posts and gate frames.

(2) Chain link fabric shall be reinforced as necessary at top and bottom to prevent distortion.

(3) Chain link fabric shall extend to within 50 millimetres of the ground.

(4) Chain link fabric shall be:

(a) Made of galvanized steel wire not less than 0.144 inch in diameter;

(b) Have a mesh not greater than 2 inches; and

(c) Be not less than 6 feet in width.

26-314 Use of Wood

(1) Wood is not permitted as a fence material in many localities and should not be considered unless it is known that the inspection department will permit its use.

(2) Where wood slats are permitted, they shall:

(a) Extend to within 50 millimetres of the ground;

(b) Be placed on the outside of the stringers; and

(c) Be spaced not more than 40 millimetres apart, except that where the frame or enclosure of any electrical equipment is less than 2 metres from the fence, no spacing will be permitted.

26-316 Posts

(1) Metal posts shall be:

(a) Of galvanized steel;

(b) 3-inch nominal pipe size (7.59 pounds per foot) for corner, end, and gate posts; and

(c) 2-inch nominal pipe size (3.65 pounds per foot) for line posts.

(2) Wood posts shall be not less than 6 by 6 inches nominal size, and shall be suitably protected against decay.

26-318 Top Rails. Top rails shall be:

(a) Of galvanized steel;

(b) Of 1¼-inch nominal pipe size (2.25 pounds per foot); and

(c) Provided with suitable expansion joints where necessary.

26-320 Wood Stringers. Wood stringers shall be not less than 2 by 6 inches nominal size if two are used and not less than 2 by 4 inches nominal size if three are used.

26-322 Wood Slats. Wood slats shall be not less than 1 by 4 inches nominal size.

26-324 Preservative Treatment

(1) Steel or iron parts shall be either hot dip galvanized or electroplated with non-ferrous metal.

(2) Wood shall be impregnated, treated, or well painted before assembly and, where in contact

with the earth or concrete, shall be impregnated or otherwise suitably treated against decay.

Electrical Equipment Vaults

26-350 General

(1) For purposes of rules pertaining to the construction of electrical equipment vaults, the single word vault(s) shall be understood to have the same meaning as electrical equipment vault(s).

(2) Vaults shall not be used for storage purposes.

(3) Vaults, when required by the Rules of this Code, shall be constructed in accordance with the following Rules 26-352 to 26-356.

26-352 Vault Size. Vaults shall be of such dimensions as to accommodate the installed equipment with at least the minimum clearances specified in the pertinent Sections of this Code.

26-353 Vault Construction

(1) The transformer vault shall be separated from the remainder of the building by a fire separation of solid masonry or concrete construction having a fire-resistance rating of not less than 3 hours if the vault is not sprinklered or provided with any other acceptable automatic fire extinguishing system, and not less than 2 hours if the vault is so protected.

(2) The fire-resistance rating shall be based on recognized constructions which have passed testing in accordance with either U.L.C.-S101-M1980 "Standard Method of Fire Endurance Tests of Building Materials" or Chapter 2 "Fire Performance Ratings" of the Supplement to the National Building Code.

(3) Where a building is required to be sprinklered, the transformer vault described in Subrule (1) need not be sprinklered provided:

(a) The vault is designed for no purpose other than to contain the transformer and its associated equipment; and

(b) The vault is provided with a smoke detector which will actuate the building alarm system in the event of a fire in the vault, and the smoke detector shall be mounted inside the vault.

(4) Walls, roofs or ceilings, and floors shall be adequately anchored together in a manner designed to resist dislodgement by explosion.

(5) Non electrical equipment shall not penetrate fire separations making up the transformer vault, except for pipes or ducts necessary for fire protection or ventilation of the vault.

(6) Except as provided for in Subrule (9), each doorway giving access to a vault shall be provided with a fire door and frame, for flush-mounted doors, that has been certified to conform to the appropriate provisions in CAN4-S104-M80, "Standard Method for Fire Tests of Door Assemblies" and the fire door and

frame shall be installed in accordance with the manufacturers instructions.

(7) Fire doors shall have a fire resistance rating not less than:

(a) 1½ hour for vaults constructed with a 2 hour fire resistance rating; or

(b) 2 hour for vaults constructed with a 3 hour fire resistance rating.

(8) Each fire door shall be provided with hardware approved for use with that particular door.

(9) The use of a fire door in openings giving access to a vault from an outdoor area may be waived at the discretion of the inspection department.

(10) All doorways communicating with the building proper, or which may communicate fire to other property shall be provided with a concrete sill of sufficient height to confine within the vault all the oil from the largest transformer or other piece of equipment installed therein, and in no case shall it be less than 100 millimetres in height.

(11) Doors shall open outward from the vault.

(12) Each door shall be provided with a substantial lock or padlock, and shall be kept locked so that unauthorized persons will not have access to the vault.

26-354 Ventilation

(1) In a vault where self-cooled transformers or other equipment is installed, sufficient ventilation shall be provided so as to prevent the ambient air temperature exceeding 40C (104F).

(2) In a vault ventilated directly from an outdoor area by natural ventilation without the use of ducts, and where the transformers are the principal source of heat, the combined net area of inlet and outlet openings shall not be less than 3 square inches per kva of transformer capacity with a minimum of 1 square foot, except that:

(a) Where transformers in the power class, as defined in CAN 3-C88-M79, Power Transformers and Reactors, are installed, ventilation requirements may be based on the actual full-load losses;

(b) Where one or more transformers are installed for emergency purposes only, and are not normally energized, they need not be considered in determining ventilation requirements; and

(c) The inlet for fresh air shall lead from an outdoor area and shall terminate at a point not more than 1 metre above the floor level of the vault.

(3) Where mechanical ventilation is installed, the installation shall include the following features:

- (a) The vault ventilation is separate from the main building ventilation system;
- (b) The vault temperature is thermostatically controlled;
- (c) The ventilating fan is located so that it may be serviced without danger to personnel;
- (d) A high temperature alarm is provided;
- (e) The ventilating fan is cut off automatically in the event of fire; and
- (f) A filter is provided in the air inlet if there is a possibility of dirt being drawn in.

(4) Ventilating ducts shall be constructed of non-combustible materials, other than aluminum, and their construction and installation shall comply with the applicable requirements of the Ontario Building Code.

(5) All ventilation openings, shall be covered with screens, louvres or equivalent, constructed of durable materials, and they shall be installed in such a manner that the cover cannot be removed from the outside by the use of common tools, that is they shall be tamper-proof.

- (6)(a) Where a ventilation duct or opening pierces a vault fire separation, separating the vault from any area other than the outdoors then a fire damper, certified to CAN 4-S112-M82, "Standard Method of Fire Tests of Fire Damper Assemblies" shall be provided in the fire separation and the damper shall have a fire resistance rating not less than;
 - (i) 1½ hour for vaults constructed with a 2 hour fire resistance rating; or
 - (ii) 2 hour for vaults constructed with a 3 hour fire resistance rating.
- (b) Fire dampers shall be installed in the plane of the fire separation so as to stay in place should the duct be dislodged during a fire;
- (c) Fire dampers tested in the vertical or horizontal position shall be installed in the manner in which they were tested;
- (d) A tightly fitted access door shall be installed for each fire damper to provide access for the inspection of the damper and resetting of the release device;
- (e) Fire dampers shall be arranged to close automatically upon the operation of a fusible link conforming to ULC-S505-1974, "Standard for Fusible Links for Fire Protection Service";
- (f) The sleeve through the fire separation containing the fire damper shall be at least the same gauge as the duct.

26-355 Drainage

(1) A vault shall be provided with a drain or other means which will carry off an accumulation of oil or water in the vault.

(2) Where local by-laws prohibit the draining of oil into the public sewage system, the drain may empty into a covered sump or pit, provided the cover is non-combustible and a trap is provided between the drain and the sump or pit to prevent flame travel to the latter.

(3) The floor shall slope downwards towards the drain with a minimum pitch of ¼ inch per foot.

26-356 Illumination

(1) Each vault shall be provided with adequate lighting controlled by one or more switches located near the entrance.

(2) Lighting fixtures shall be located so that they may be relamped without danger to personnel.

(3) Each vault shall have a grounding type receptacle, installed in accordance with Rule 26-700 (8) and located in a convenient location inside the vault and near the entrance.

Switchboards and Switchgear

26-400 Switchgear Clearance from Ceiling. Switchgear shall not be built up to a point within 900 millimetres of a ceiling of combustible material or a ceiling of plaster applied over a combustible base unless the combustible material or base is protected against damage from fire by:

- (a) Metal lath and cement plaster;
- (b) ¼ inch rigid asbestos board; or
- (c) Other acceptable means.

26-402 Accessibility to Switchboards

(1) Adequate working space shall be provided about switchboards as required by Rule 2-308.

(2) All parts within a switchboard shall be accessible.

26-404 Air Circuit Breakers on Switchboards. If air circuit breakers of an open type are mounted on the front of a switchboard, they shall be mounted in a single horizontal row with their tops not less than 1.5 metres above the floor or operating platform.

26-406 Conductor Covering at Switchgear

(1) Closely grouped conductors feeding to or from switchgear that do not have moisture-resistant flame-retardant insulation on the individual conductors shall have an overall moisture-resistant flame-retardant covering.

(2) Asbestos tape, if used for overall covering, shall be kept away from terminals and other live parts.

26-408 Marking of Switchgear Assemblies. Switchgear assemblies rated over 13.8 kilovolts shall be marked with the basic impulse insulation level (BIL).

Panelboards

26-440 Panelboards Supplying Branch Circuits and Feeders

(1) The cabinets which house the panelboards shall contain not more than one panelboard unless the cabinets are divided between panelboards by barriers of noncombustible material, which shall be unpierced except for interconnecting supply conductors only; and when panelboards are mounted one above the other in a cabinet, the remaining space around and between the supply conductors shall be completely sealed at the factory.

(2) For the purpose of this Rule, each fuse shall be considered an overcurrent device and in the case of multipole circuit breakers a two-pole breaker shall be considered two overcurrent devices; a three-pole breaker shall be considered three overcurrent devices.

(3) No branch circuit from a panelboard installed in accordance with Rule 26-441 shall connect to outlets or electrical equipment in any other dwelling unit.

26-441 Panelboards in Dwelling Units

(1) A panelboard shall be installed in every dwelling unit including dwelling units in an apartment or in other multi-family dwellings.

(2) Every panelboard installed in accordance with Subrule (1) of this Rule shall have a single supply protected by overcurrent devices and this supply shall be capable of being disconnected without disconnecting the supply to any other dwelling unit.

26-442 Locations of Panelboards

(1) Panelboards shall not be located in coal bins, bathrooms, stairways, high ambient rooms, dangerous or hazardous locations, nor in any similar undesirable places.

(2) Panelboards in dwelling units shall be installed at least 1.2 metres above the finished floor level wherever practicable.

Lightning Arresters

26-500 Use and Location of Lightning Arresters

(1) Lightning arresters shall be installed in every distributing substation in locations where lightning disturbances are of frequent occurrence and no other adequate protection is provided.

(2) Lightning arresters installed for the protection of utilization equipment:

- (a) May be installed either inside or outside the building or enclosure containing the equipment to be protected;

- (b) Shall be isolated by elevation, enclosed or made otherwise inaccessible to unauthorized persons.

26-502 Indoor Installations of Lightning Arresters

(1) Where lightning arresters are installed in a building, they shall be located well away from all equipment other than that which they protect and from passageways and combustible parts of buildings.

(2) Where lightning arresters containing oil are installed in a building, they shall be separated from other equipment by walls conforming to electrical equipment vault construction requirements in accordance with Rules 26-350 to 26-356.

26-504 Outdoor Installations of Lightning Arresters. Where arresters containing oil are located outdoors, means of draining or absorbing oil shall be provided by:

- (a) Ditches or drains; or
- (b) Paving the yard in which the arrester is contained with cinders or other absorbent material to an adequate depth.

26-506 Choke Coils for Lightning Arresters. Where choke coils are used in connection with a lightning arrester, the coils shall be installed between the lightning arrester tap and the apparatus to be protected.

26-508 Connection of Lightning Arresters. The connection between arrester and line conductor shall be:

- (a) Of copper wire or cable not smaller than No. 6 AWG;
- (b) As short and as straight as practicable with a minimum of bends; and
- (c) Free of sharp bends and turns.

26-510 Insulation of Lightning Arrester Accessories. The insulation from ground and from other conductors for accessories such as gap electrodes and choke coils shall be at least equal to the insulation required at other points of the circuit.

26-512 Grounding of Lightning Arresters. Lightning arresters shall be grounded in accordance with Section 10.

Storage Batteries

26-540 Scope. Rules 26-542 to 26-550 apply to the installation of lead-acid, nickel-cadmium, and nickel-iron batteries of both the floating-service station type and the charge-discharge industrial type.

26-542 Location of Storage Batteries

(1) Storage batteries shall be kept in battery rooms or enclosures used for no other purposes when:

- (a) The batteries are in open jars or tanks; and
- (b) The aggregate capacity at the 8-hour discharge rate exceeds 5 kilowatt hours.

(2) Where there are exposed live parts of 45 volts or higher, batteries shall be kept in a room or enclosure accessible only to authorized personnel.

(3) Storage batteries shall not be subjected to ambient temperatures:

- (a) Exceeding 45C (113F); or
- (b) Below the freezing point of the electrolyte.

26-544 Ventilation of Battery Rooms or Areas

(1) Storage battery rooms or areas shall be thoroughly ventilated.

(2) Adequate means shall be made for sufficient diffusion and ventilation of the gases from the battery to prevent the accumulation of an explosive mixture.

26-546 Cell Mounting. Battery cells shall be mounted in wooden or steel trays or on racks as follows:

- (a) The tray or rack shall be level;
- (b) The tray or rack shall be protected against corrosion from the battery electrolyte;
- (c) The cell mounting surface of the tray or rack shall be covered with an insulating material having a dielectric strength of at least 1,500 volts;
- (d) Racks shall be of sufficient strength to carry the weight of the battery;
- (e) Battery cells having glass or plastic containers shall rest on a resilient surface; and
- (f) Battery cells shall be spaced a minimum of 10 millimetres apart to allow for normal expansion of containers due to temperature change.

26-548 Wiring Method in Battery Rooms

(1) The wiring method used in storage battery rooms shall be:

- (a) Bare conductors which shall not be taped;
- (b) Open wiring;
- (c) Rigid conduit or electrical metallic tubing subject to the following:
 - (i) The conduit or tubing shall be of corrosion-resisting materials or be suitably protected from corrosion;
 - (ii) The end of the raceway shall be tightly sealed with sealing compound, rubber tape or other acceptable material, to resist the entrance of electrolyte by spray or creeping;
 - (iii) The conductor shall issue from the raceway through a substantial glazed insulating bushing;
 - (iv) At least 300 millimetres of the conductor shall be free from the raceway where connected to a cell terminal;
 - (v) Raceway exit shall be located at least 300 millimetres above the highest cell terminal

to reduce electrolyte creepage or spillage entering the raceway or conduit;

- (d) Mineral-insulated cable provided it is adequately protected against corrosion where it may be in direct contact with acid or acid spray; or
- (e) Aluminum-sheathed cable provided it has suitable corrosion-resistant protection where necessary.

(2) Varnished-cambric-insulated conductors shall not be used in storage battery rooms.

26-550 Lighting Fixtures and Switches. Lighting fixtures and switches in storage battery rooms shall be of the totally enclosed, gasketed type if open jars or tanks are used.

Arc Lamps

26-600 Location of Arc Lamps

(1) Outdoor arc lamps, attached to a building and supplied from the interior installation shall be suspended at least 2.5 metres above the ground level.

(2) Indoor arc lamps shall be hung out of reach or shall be protected in an acceptable manner.

26-602 Conductors to Arc Lamps

(1) Leads to arc lamps shall have an ampacity of approximately 150 per cent of the normal current of the lamp.

(2) The leads shall be stranded where:

- (a) The size exceeds No. 14 AWG; and
- (b) The lamp suspension provides for raising and lowering.

26-604 Overcurrent Protection for Arc Lamps. An overcurrent device shall be provided for each arc lamp or series of lamps.

26-606 Resistors or Regulators

(1) Resistors or regulators shall be enclosed in incombustible cases and located away from readily combustible material.

(2) Incandescent lamps shall not be used as resistors or regulators.

26-608 Globes and Spark Arresters

(1) Arc lamps other than those of the enclosed arc type shall be equipped with globes and spark arresters.

(2) Globes shall be guarded by wire netting having a mesh of not more than 32 millimetres.

Resistance Devices

26-640 Location of Resistance Devices. Resistance devices, including wiring to the resistance elements, shall be installed so that danger of igniting adjacent combustible material will be reduced to a minimum.

26-642 Conductors for Resistance Devices. Insulated conductors used for connection between resistance elements and controllers, unless used for infrequent motor starting, shall conform to the following:

- (a) As indicated in Table 19 as being suitable for the temperature involved and in no case less than 90°C (194F);
- (b) Conductors having an approved flame-retardant outer covering may be grouped where the potential between any two conductors in the group does not exceed a maximum of 75 volts.

26-644 Use of Incandescent Lamps as Resistance Devices

- (1) Incandescent lamps may be used:
 - (a) As protective resistors for automatic controllers; or
 - (b) By special permission, as resistors in series with other devices.
- (2) Where incandescent lamps are used as resistors, they shall:
 - (a) Be mounted in porcelain receptacles on incombustible supports;
 - (b) Be arranged so that they cannot be subjected to a voltage greater than that for which they are rated;
 - (c) Be provided with a permanently attached nameplate showing the wattage and voltage of the lamp to be used in each receptacle;
 - (d) Not carry or control the main current; and
 - (e) Not constitute the regulating resistance of the device.

Receptacles and Heating and Cooking Appliances

Receptacles

26-700 General

- (1) Receptacles shall be constructed so that no outlet section will accommodate both parallel and tandem blade caps.
- (2) Receptacle configurations shall be in accordance with Tables 46 and 47 except:
 - (a) For receptacles used on equipment solely for interconnection purposes;
 - (b) For receptacles for specific applications as required by other rules of this Code; or
 - (c) Where other configurations are permitted by the inspection department.
- (3) Except as may otherwise be permitted by the inspection department, receptacles having configurations in accordance with Tables 46 and 47 shall

only be connected to circuits having a nominal system voltage corresponding to the rating of the configurations.

(4) Receptacles connected to circuits having different voltages, frequencies or types of current (ac or dc) on the same premises shall be of such design that attachment plugs used on such circuits are not interchangeable.

(5) Receptacles shall not be of the screw base type.

(6) Receptacles with exposed terminals shall be used only in fittings, metal troughs, and similar devices.

(7) Receptacles located in floors shall be enclosed in floor boxes approved for the purpose.

(8) Where grounding type receptacles are used in existing installations to replace the ungrounded type, the grounding terminal shall be effectively connected to ground and one of the following methods may be used:

- (a) By bonding to grounded metallic raceway or cable sheath;
- (b) By connection to the system ground by means of a separate grounding conductor; or
- (c) By bonding to an adjacent grounded metallic cold water pipe.

(9) After installation, receptacle faces shall:

- (a) Be flush with or project from faceplates of insulating material; and
- (b) Project a minimum of 0.015 inch from metal or conductive faceplates.

26-701 Receptacles in Other than Residential Occupancies. Receptacles, including those installed as part of a luminaire, shall be protected by a Ground Fault Circuit Interrupter of the Class A Type when:

- (a) The receptacle is located in a room containing personal washing facilities such as washbasins, bath tubs, showers or similar devices; and
- (b) The receptacle is located within 3 metres of the facilities described in Paragraph (a).

26-702 Receptacles In Residential Occupancies

(1) Except as otherwise provided for in this Code, in dwelling units, receptacles shall be installed in the walls of every finished room or area, other than kitchens, bathrooms, hallways, laundry rooms, water closet rooms, utility rooms or closets, so that no point along the floor line of any usable wall space is more than 1.8 metres horizontally from a receptacle in that or an adjoining space, such distance being measured along the floor line of the wall spaces involved.

(2) Except for receptacles installed in bathrooms and washrooms, the receptacles referred to in Subrule (1) shall be:

(a) Duplex receptacles;

(b) Single receptacles arranged to provide the equivalent number of contact devices.

(3) The usable wall space referred to in Subrule (1) shall include a wall space 900 millimetres or more in width but shall not include doorways, areas occupied by a door when fully opened, windows which extend to the floor, fireplaces, or other permanent installations that would limit the use of the wall space.

(4) In dwelling units there shall be installed in each kitchen:

(a) One receptacle for each refrigerator;

(b) At least two split receptacles at the counter work area;

(c) At least one split receptacle in a dining area forming part of a kitchen; and

(d) Notwithstanding Paragraph (b), in the case of a multi-family building of more than 6 rented dwelling units, the number of split receptacles located at the counter shall be permitted to be reduced to one, provided that a split receptacle is provided as required in Paragraph (c), the result being that in any case there are at least 2 split receptacles in the kitchen area.

(5) No point in a hallway within a dwelling unit shall be more than 4.5 metres from a duplex receptacle as measured by the shortest path which the supply cord of an appliance connected to the receptacle would follow without passing through an opening fitted with a door.

(6) At least one duplex receptacle shall be provided in each laundry room or area, and utility room or area.

(7) At least one receptacle shall be installed adjacent to the wash-basin located in each bathroom, wash-room, or other room containing a wash-basin and all such receptacles shall be protected by a ground fault circuit interrupter of the Class A type.

(8) Receptacles installed in bathrooms shall be located at least 1 metre in a horizontal distance measured between the receptacle and the tub or shower without piercing a partition or similar obstacle.

(9) Receptacles shall not be placed in ironing cabinets, cupboards, wall cabinets, nor in like enclosures, except where they are intended for use with specific appliances, other than heating and cooking appliances, which are located within the enclosure.

(10) For each single-family dwelling, at least one duplex receptacle shall be installed outdoors so as to be readily accessible from ground or grade level for the use of appliances which, of necessity, are used outdoors.

(11) All receptacles installed outdoors of single-family dwellings and located within 2.5 metres of ground or grade level shall be protected by a ground fault circuit interrupter of the Class A Type.

(12) At least one duplex receptacle shall be provided for each car space in a garage or carport.

(13) For the purposes of this Rule, all receptacles shall be of the grounding type constructed to accommodate parallel blade caps, i.e. CSA Configuration 5-15R as shown in Table 46.

(14) Any receptacle that is part of a lighting fixture or appliance, that is located within cabinets or cupboards as permitted by Subrule (10), or that is located more than 1.7 metres above the floor shall not be considered as any of the receptacles required by this Rule.

26-704 Branch Circuits in Residential Occupancies

(1) Each receptacle installed for a refrigerator shall be supplied by a branch circuit that does not supply any other outlets except for a recessed clock receptacle and an exhaust fan unit located in the kitchen.

(2) A three-wire branch circuit shall be provided for each of the split receptacles installed along the counter work area and no other outlets shall be connected to these circuits.

(4) A receptacle installed in a dining area forming part of a kitchen of a dwelling unit shall be supplied by a three-wire circuit to which no other outlets are connected.

(5) At least one branch circuit shall be provided solely for receptacles installed in the laundry room or area and the utility room or area.

(6) In a single-family dwelling, at least one branch circuit shall be provided solely for receptacles which are located outdoors.

(7) At least one branch circuit shall be provided solely for the receptacles in a carport or garage except that the lighting fixtures and garage door operator for these areas may be connected to this circuit.

(8) The receptacles in Subrules (6) and (7) shall be permitted to be connected to the same branch circuit.

26-706 Receptacles Exposed to the Weather

(1) Receptacles exposed to the weather shall be provided with weatherproof cover plates, except that, when these receptacles are installed facing downwards, at an angle of 45 degrees or less from the horizontal, standard metallic cover plates may be used.

(2) Where receptacles exposed to the weather are installed in surface-mounted outlet boxes, the cover plates shall be held in place by four screws or by some other equivalent means.

(3) Where receptacles exposed to the weather are installed in flush-mounted outlet boxes, the boxes shall be installed in accordance with Rule 12-3020 and the cover plates shall be fitted so as to make a proper weatherproof seal.

26-708 Receptacles Connected to 3-Wire Branch Circuits

(1) Where receptacles are connected to 3-wire branch circuits:

- (a) The receptacles shall be of an approved type having separate terminals for the connection of the ungrounded conductors; and
- (b) The branch circuit shall comply with Rule 14-010.

(2) Duplex receptacles having one section which will accommodate parallel blade caps and the other section which will accommodate tandem blade caps shall be connected only to 3-wire branch circuits that:

- (a) Comply with Rule 14-010; and
- (b) Are protected by overcurrent devices rated or set at not more than 15 amperes.

Electric Heating and Cooking Appliances

26-740 Location of Non-Portable Appliances.

Non-portable electric heating and cooking appliances shall be installed so that the danger of igniting adjacent combustible material is reduced to a minimum.

26-742 Rating of Portable Appliances. The input to portable electric heating and cooking appliance for use on nominal 115-volt branch circuits protected by overcurrent devices rated or set at not more than 15 amperes shall not exceed 1,500 watts at 115 volts.

26-744 Separate Built-In Cooking Units

(1) Separate built-in cooking units without integral overcurrent protection shall be provided with the necessary overcurrent protection, as required by CSA Standard C22.2 No. 61-1980, Household Cooking Ranges, in a separate panel.

(2) Tap circuit conductors feeding individual separate built-in cooking units from a single branch circuit shall have an ampacity of not less than the ampere rating of the unit or heating element which they supply as determined from Tables 1 to 4, whichever is applicable.

(3) Where tap circuit conductors feed individual separate built-in cooking units having integral overcurrent protection the ampacity of the tap circuit conductor shall, in addition to complying with the requirements of Subrule (2), be not less than that of the single-branch circuit supplying them unless the tap circuit is not over 7.5 metres long in which case the ampacity may be one-third that of the single-branch circuit conductors.

26-746 Supply Connections for Appliances

(1) Electric heating and cooking appliances shall have only one point of connection for supply.

(2) The point of connection for a separate built-in cooking unit without integral overcurrent devices may be in the separate panel referred to in Subrule (1) of Rule 26-744.

(3) Where an electric clothes dryer having an input in excess of 1500 watts at 115 volts but not exceeding 30 amperes, is intended to be installed in a dwelling unit, a receptacle of CSA Configuration 14-30R, as shown in Table 46, shall be installed for the supply of energy to the appliance.

(4) An electric clothes dryer having an input in excess of 1500 watts at 115 volts but not exceeding 30 amperes, and used in a dwelling unit, shall be cord-connected by means of a cord and attachment plug of CSA Configuration 14-30P to the receptacle referred to in Subrule (3).

(5) Where a free-standing electric range, having a calculated demand of 50 amperes or less, is intended to be installed in a dwelling unit, a receptacle of CSA Configuration 14-50R, as shown in Table 46, shall be installed for the supply of electric energy to the appliance.

(6) The receptacle required by Subrule (5) shall be installed:

- (a) Above the finished floor at a height not exceeding 100 millimetres to the centre of the receptacle;
- (b) As near midpoint as is practicable, measured along the floor line of the wall space intended for the electric range; and
- (c) With the U-ground slot orientated to either side;

(7) In a dwelling unit, a free-standing electric range having a calculated demand of 50 amperes or less, shall be cord connected by means of a cord and attachment plug of CSA Configuration 14-50P, to the receptacle referred to in Subrule (5).

(8) Where permitted by the inspection department, appliances which are approved for connection by a wiring method as specified in Section 12, may be cord-connected using an attachment plug and receptacle.

(9) The receptacles required by Subrules (3) and (5) shall be flush-mounted wherever practicable.

(10) Where a wiring system intended to supply an electric clothes dryer is installed, it shall be connected to a receptacle as outlined in Subrule (3) at the load end and connected to the panel-board at the supply end.

(11) Where a receptacle as required by Subrule (3) is installed, it shall be connected to the panelboard by a wiring system as specified in Section 12.

(12) The range receptacle referred to in Subrule (5) shall be connected to the panelboard by a wiring system as specified in Section 12 and shall have overcurrent protection as required by Section 14.

26-748 Appliances Exceeding 1,500 Watts

(1) Every electric heating and cooking appliance rated at more than 1,500 watts shall be supplied from a branch circuit used solely for one appliance except that more than one appliance may be connected to a single-branch circuit provided that the following is used:

- (a) A multiple-throw manually-operated device which will permit only one such appliance to be energized at one time; or
- (b) An automatic device which will limit the total load to a value which will not cause operation of the overcurrent devices protecting the branch circuit.

(2) Every electric heating and cooking appliance rated at more than 1,500 watts shall be controlled by an indicating switch which may be in the circuit or on the appliance except that:

- (a) If the rating of the appliance does not exceed 30 amperes, an attachment plug and receptacle may be used instead of a switch; and
- (b) If the appliance has more than one individual heating element each controlled by a switch, no main switch need be provided.

(3) For the purpose of this Rule, two or more separate built-in cooking units together with their overcurrent devices shall be considered as one appliance.

26-750 Signals for Heated Appliances. Where glue pots, soldering irons or appliances intended to be applied to combustible materials are used in other than dwelling units:

- (a) Each appliance or group of appliances shall be provided with an indicating switch and a red pilot light; or
- (b) Each appliance shall be equipped with an integral temperature limiting device, in which case, the pilot light may, by special permission, be omitted.

26-752 Installation of Storage-Tank Water Heaters

(1) Electric storage-tank water heaters, other than those having a tank open to the atmosphere, shall be controlled by means of a temperature regulating device and shall also be provided with secondary protection which will open if the water attains a temperature of 96C (205F).

(2) The temperature regulating device referred to in Subrule (1) shall regulate the temperature of the water so that it does not exceed 90C (194F).

(3) Electric storage-tank water heaters shall be located so that the electric supply connections,

service covers, and nameplate markings will be accessible after completion of the building structure.

(4) Every electric storage-tank water heater shall be supplied from a branch circuit used solely for the heater.

26-754 Infra Red Drying Lamps. The following requirements shall apply to the installation of infra red drying lamps:

- (a) Branch circuits shall be protected in accordance with Section 14;
- (b) Lampholders of the medium-base, unswitched, porcelain type or other types approved for the service, may be used with lamps rated at 300 watts or less;
- (c) Screw-shell lampholders shall not be used with lamps rated at more than 300 watts unless especially approved for the purpose;
- (d) In industrial occupancies, lampholders may be operated in series on circuits of more than 150 volts to ground where adequate spacings for the higher circuit voltage are provided.

26-756 Control of Ventilation for Restaurant Cooking Equipment. In restaurants, a control for a fan motor used to ventilate cooking equipment shall be readily accessible, within reach of the cooking equipment and external to the duct or duct and hood.

Heating Equipment

26-800 Scope. Rules 26-802 to 26-808 apply to other than portable heating equipment which uses solid, liquid or gaseous fuels.

26-802 Mechanical Protection of Conductors. All branch circuit or tap conductors within 1.5 metres from the floor shall be adequately protected from mechanical injury.

26-804 Fuel Burner Safety Controls. Fuel burner safety controls shall be installed in accordance with the requirements of the CSA Standard C22.2 No. 3-1979, Electrical Features of Fuel-Burning Equipment (Gas and Oil).

26-806 Heating Equipment Rated 400,000 Btu Per Hour and Less

(1) Heating equipment whose individual input does not exceed 400,000 Btu per hour shall be installed in accordance with Subrules (2), (3), (4), and (5).

(2) All electric power for the heating unit and associated equipment operating in connection therewith, shall be obtained from a single branch circuit which shall be used for no other purpose.

(3) For the purpose of this Rule, circulating pumps, and similar equipment need not be considered as associated equipment, provided that such equipment is not essential for the safe operation of the heating unit.

(4) The branch circuit may be tapped as necessary to supply the various pieces of associated equipment, but there shall be no overcurrent protection supplied in the tap to any piece of associated equipment the operation of which is essential to the proper operation of the heating unit, unless the control equipment is of such a nature that the heating unit will be shut down if the associated equipment fails to function due to the operation of the overcurrent device.

(5) Suitable disconnecting means shall be provided for the branch circuit.

(6) The disconnecting means may be a branch circuit breaker at the distribution panelboard, provided the panelboard is located between the furnace and the point of entry to the area where the furnace is located.

(7) Where a separate switch is required, due to the unacceptable location of the branch circuit breaker, it shall:

- (a) Not be located on the furnace nor in a location which can be reached only by passing close to the furnace; and
- (b) Be marked to indicate the equipment it controls.

26-808 Heating Equipment Rated at More Than 400,000 Btu Per Hour

(1) Heating equipment whose individual input exceeds 400,000 Btu per hour shall be installed in accordance with Subrules (2) and (3).

(2) All electric power for the heating unit and associated equipment operating in connection therewith shall be obtained from a single feeder or branch circuit which shall be used for no other purposes.

(3) A suitable disconnecting means shall be provided for the feeder or branch circuit.

Pipe Organs

26-900 Installation of Electrically-Operated Pipe Organs

(1) Organ blower motors, when located remote from the organ console, shall be provided with a pilot lamp located at the organ console.

(2) A receptacle shall be provided in the organ loft to facilitate the use of a portable lamp.

Submersible Pumps

26-950 Special Terminology. In this Subsection the following definitions apply:

- (a) Submersible pump means a pump-motor combination where the enclosed electrical equipment is intended to operate submerged in water;
- (b) Deep well submersible pump means a submersible pump intended for use in a well casing or

similar protective enclosure which does not have provision for electrical connection by conduit.

26-952 General. Submersible pumps shall be installed in accordance with the manufacturer's instructions and Rule 26-954.

26-954 Deep Well Submersible Pumps Installed in Wells. Deep well submersible pumps installed in wells shall comply with the following:

- (a) The power supply conductors or cable run from the well head to the pump shall be:
 - (i) Types RWU75, RWU90, TWU and TWHU single conductors or twisted assemblies of these types, suitable for handling at minus 40°C; or
 - (ii) Type SGOW, SWOW or the equivalent power supply cable;
- (b) The supply conductors or cable shall be suitably supported at intervals not exceeding 3 metres to the discharge pipe;
- (c) Supply conductors or cable shall be run from the well head to the main distribution panelboard in accordance with the requirements of Section 12;
- (d) Pumps shall be grounded in accordance with Section 10 except that when the discharge pipe is metallic and continuous from the pump to the well head, the equipment grounding conductor may be terminated by connection to discharge pipe at the well head location.

26-956 Submersible Pumps Installed in Lakes, Rivers and Streams

(1) Except as provided in Subrule (2) submersible pumps installed in lakes, rivers and streams and at similar locations shall comply with the following:

- (a) The voltage supplying the submersible pump shall not exceed 150 volts-to-ground;
- (b) The pump motor shall be grounded by a conductor that is:
 - (i) Sized in accordance with Rule 10-812;
 - (ii) Integral with the supply cable, or within the same protective enclosure as the power supply conductors if single conductors are used;
 - (iii) Of the same type of insulation as the supply conductors; and
 - (iv) Terminated adjacent to the location where the branch circuit conductors receive their supply.

(c) The wiring method to the pump shall be:

(i) Type RWU75, RWU90, TWU or TWHU or equivalent single conductor or twisted assemblies of these types, suitable for handling at minus 40°C, enclosed in a plastic water pipe or in rigid PVC conduit; or

(ii) SOW, SGOW, SWOW or equivalent power supply cable;

(d) The branch circuit supplying the submersible pump shall be protected by a ground fault circuit interrupter with a ground fault current trip setting adjusted to function as low as practicable to permit normal operations of the pump, but in no case shall the ground fault current setting be greater than 10 milliamperes for an operating time period not exceeding 2.7 seconds; and

(e) The supply conductors or cables shall run from an outdoor connection facility, above or below ground, to the main distribution panelboard in accordance with the requirements of Section 12.

(2) Submersible pumps operating at voltages exceeding 150 volts-to-ground, but not exceeding 5.5 kilovolts, shall only be installed in lakes, rivers and streams by special permission and:

(a) The requirements of the inspection authority regarding wiring methods and grounding shall be complied with;

(b) The electrical installation shall be maintained by a qualified electrical maintenance staff; and

(c) The area around the submersible pump shall be protected from access by the public by fencing, cribbing or isolation and so marked.

SECTION 28—MOTORS AND GENERATORS

Scope

28-000 Scope. This Section applies to the installation of electric motors and generators including installation, wiring methods, conductors, protection, and control and is supplementary to, or amendatory of, the general requirements of this Code.

28-010 Location. Motors shall be installed only in locations where ordinary conditions exist unless they are of types specifically approved for the location.

28-012 Guarding. Exposed live parts of motors and controllers operating at 50 volts or more between terminals shall be guarded against accidental contact by enclosure or by location, except that stationary motors having commutators, collectors and brush

rigging located inside of motor end brackets and not conductively connected to supply circuits operating at more than 150 volts-to-ground, may have live parts exposed.

28-014 Methods of Guarding. The following are considered to be acceptable methods of guarding motors by:

(a) Installation in a room or enclosure which is accessible only to qualified persons;

(b) Installation on a suitable balcony, gallery, or platform, elevated and arranged so as to exclude other than qualified persons;

(c) Elevation 2.5 metres or more above the floor; or

(d) Guard rail if the motor operates at 750 volts, or less.

28-016 Ventilation

(1) Adequate ventilation shall be provided so as to prevent the development around motors of ambient air temperatures exceeding 40°C for integral horsepower motors and 30°C for fractional horsepower motors, or the motors shall be specifically marked as suitable for use in the particular higher ambient temperatures in which they will operate.

(2) In locations where dust or flying material will collect in or on motors in such quantities as to interfere with the ventilating or cooling of motors, and thereby causing dangerous temperatures, suitable types of enclosed motors which will not heat under prevailing conditions, shall be used.

Wiring Methods and Conductors

28-100 Stationary Motors. The wiring method for stationary motors shall be in accordance with the applicable requirements of Section 12 and Section 36.

28-102 Portable Motors. Connections to portable motors may be made with flexible cord which shall have a serviceability not less than that of Type S cord unless the motor forms part of an approved motor-operated device.

28-104 Motor Supply Conductor Insulation Temperature Rating and Ampacity

(1) Supply conductors to a motor connection box shall have insulation suitable for the temperature rating shown in Table 37, unless the motor is marked otherwise, and their ampacity shall be based on a 75°C insulation rating.

(2) Where Table 37 requires insulation temperature ratings in excess of 75°C, the motor supply conductors shall be not less than 1.2 metres long, and shall terminate in a location not less than 600 millimetres from any part of the motor, except that for motors rated 100 horsepower or larger the termination shall not be less than 1.2 metres from any part of the motor.

(3) For ambients higher than 30°C the supply conductor insulation rating shall be increased at least by the difference between the ambient and 30°C.

28-106 Conductors, Individual Motors

(1) The conductors of a branch circuit supplying an individual motor (other than a motor used for short-time, intermittent, periodic, or varying duty) shall have an ampacity at least that specified in Table 26 for the full-load current rating of the motor.

(2) For a motor having a full-load current rating larger than those included in Table 26, the branch circuit conductors shall have an ampacity at least equal to 125 per cent of the full-load current rating of the motor.

(3) For a motor used on short-time, intermittent, periodic, or varying duty, the branch circuit conductors shall have an ampacity at least equal to the full-load current rating of the motor multiplied by the percentage given in Table 27 for the duty involved, except that a lower percentage may be used for varying duty by special permission.

(4) Tap conductors, supplying individual motors from a single set of branch circuit overcurrent devices protecting two or more motors, may be selected in accordance with Subrule (1) provided that the tap conductors are not over 7.5 metres long and have an ampacity at least one-third that of the branch circuit conductors from which they are supplied.

(5) Tap conductors having a length of more than 7.5 metres and supplying individual motors from a single set of branch circuit overcurrent devices protecting two or more motors, shall have an ampacity at least equal to that specified for the branch circuit conductors from which they are supplied.

28-108 Conductors, Two or More Motors

(1) Conductors supplying a group of two or more motors (other than motors used for short-time, intermittent, periodic, or varying duty) shall have an ampacity at least equal to the sum of the full-load current ratings of all motors in the group, plus 25 per cent of the largest of such full-load current ratings.

(2) Where one or more of the motors of the group are used for short-time intermittent, periodic, or varying duty, the ampacity of the conductors feeding the group shall be determined as follows:

- (a) The full-load current ratings of the non-continuous duty motors shall each be multiplied by the applicable percentage of Table 27, and the full-load current rating of the largest continuous duty motor shall be multiplied by 125 per cent;
- (b) The largest current so calculated for any motor of the group shall be added to the full-load current ratings of all the other motors, each multiplied by 100 per cent or by the applicable percentage of Table 27 whichever is smaller; and
- (c) The ampacity of the conductors feeding the group shall be at least equal to the resulting sum, except as permitted by Subrules (3) and (4).

(3) Where the circuitry is so interlocked as to prevent all motors of the group from running at the same time, the size of the conductors feeding the group shall be determined for the largest motor or sub-group of motors which may be operated at any one time.

(4) Where, in the opinion of the inspection department, the character of the motor loadings justifies it, special permission may be granted for the application of a demand factor less than 100 per cent which will allow the use of conductors having an ampacity less than that specified in Subrules (1) and (2) above, provided that:

- (a) The conductors shall have sufficient ampacity for the maximum demand load; and
- (b) The rating or setting of the overcurrent devices protecting them shall be in accordance with Subrule 28-204 (4).

28-110 Feeder Conductors

(1) Where a feeder supplies both motor loads and other loads, the ampacity of the conductors shall be calculated in accordance with Rules 28-106 and 28-108 plus the requirements of the other loads.

(2) The ampacity of a tap from a feeder to a single set of overcurrent devices protecting a motor branch circuit shall be not less than that of the feeder, except that the ampacity of the tap may be calculated in accordance with Rules 28-106 and 28-108 if the tap is enclosed in metal and if:

- (a) The conductors of the tap are not over 3 metres long; or
- (b) The conductors of the tap are not over 7.5 metres long and have an ampacity not less than one-third that of the feeder.

28-112 Secondary Conductors

(1) Conductors connecting the secondaries of wound rotor motors to their controllers shall have an ampacity at least:

- (a) 125 per cent of the full load secondary current of the motor if for continuous duty; or
- (b) The percentage of the full load specified in Table 27 if for other than continuous duty.

(2) Ampacities of conductors connecting secondary resistors to their controller shall be at least that determined by applying the percentage in Table 28 to the maximum current which the devices are required to carry.

Overcurrent Protection

28-200 Branch Circuit Overcurrent Protection. Each ungrounded conductor of a motor branch circuit shall be protected by an overcurrent device conforming to the following:

- (a) For a branch circuit supplying a single motor except as provided in paragraph (b), the rating or setting of the overcurrent devices

shall not exceed the maximum value specified in:

- (i) Table 26 for the full-load current rating of the motor;
 - (ii) Table 29 for motors having full-load current ratings larger than those included in Table 26; or
 - (iii) Rule 28-210 for motor circuits protected by instantaneous trip (magnetic only) circuit interrupters.
- (b) Where the overcurrent device specified in Table 26 or 29 will not permit the motor to start, the rating or setting of the device may be increased as follows:
- (i) A non-time-delay fuse to a maximum of 400 per cent of full-load current; or
 - (ii) A time-delay fuse to a maximum of 225 per cent of full-load current;
- (c) For a branch circuit supplying two or more motors, the rating or setting of the overcurrent devices shall not exceed the maximum value permitted by Rule 28-206.

28-202 Overcurrent Protection Marked on Equipment. Where branch circuit overcurrent protective device characteristics and rating or setting are specified in the marking of motor control equipment, they shall not be exceeded, notwithstanding any greater rating or setting permitted by Rule 28-200.

28-204 Feeder Overcurrent Protection

(1) For a feeder supplying motor branch circuits only, the rating or setting of the feeder overcurrent devices shall not exceed a maximum value calculated by determining the maximum rating or setting of the overcurrent devices permitted by Table 26 or 29 for that motor which is permitted the highest rated overcurrent devices of any motor supplied by the feeder, and adding thereto the sum of the rated load currents of all other motors which may be in operation at the same time.

(2) Where a feeder supplies a group of motors, two or more of which are required to start simultaneously, and the feeder overcurrent devices as calculated in accordance with Subrule (1) are not sufficient to allow the motors to start, the rating or setting of the feeder overcurrent devices may be increased as necessary, to a maximum value not to exceed that which is permitted by Tables 26 or 29 for a single motor having a full-load current rating equal to the sum of the full-load current ratings of the greatest number of motors which must start simultaneously, provided this value does not exceed 300 per cent of the ampacity of the feeder conductors.

(3) Where a feeder supplies one or more motor branch circuits together with other loads, the overcurrent protection required for the motor loads may be calculated in accordance with these Rules and added to the requirements for the other loads supplied by the feeder.

(4) Where a demand factor has been applied as permitted in Rule 28-108 (4), the rating or setting of the overcurrent devices protecting a feeder shall not exceed the ampacity of the feeder, except as permitted by Rule 14-104 and Table 13.

28-206 Grouping of Motors on a Single Branch Circuit. Two or more motors may be grouped under the protection of a single set of branch circuit overcurrent devices having a rating or setting calculated in accordance with Rule 28-204 (1), provided that the fire hazard is reduced by conforming to any one of the following:

- (a) The rating or setting of the overcurrent devices does not exceed 15 amperes;
- (b) Protection is provided for the control equipment of the motors by having the branch circuit overcurrent devices rated or set at:
 - (i) Values not in excess of those marked on the control equipment for the lowest rated motor of the group, as suitable for the protection of that control equipment; or
 - (ii) In the absence of such marking, values not in excess of 400 per cent of the full-load current rating of the lowest rated motor;
- (c) The motors are used on a machine tool or a woodworking machine, and:
 - (i) The control equipment is arranged so that all contacts which open motor primary circuits are in enclosures, either forming part of the machine base or for separate mounting, having a wall thickness not less than 0.0667 inch (14 MSG) for steel, $\frac{3}{32}$ inch for malleable cast iron, or $\frac{1}{8}$ inch for other cast metal, having hinged doors with substantial catches, and having no openings to the floor or the foundation on which the machine rests; and
 - (ii) The rating or setting of the overcurrent devices does not exceed 200 amperes at 250 volts or less, or 100 amperes at voltages from 251 to 750;
- (d) All the motors are operated by a single controller approved for the purpose, as provided for in Rule 28-500 (1); or
- (e) Special permission is granted for the grouping of motors which form part of the co-ordinated drive of a single machine or process, wherein the failure of one motor to operate creates a hazard unless all the other motors in the group are stopped.

28-208 Size of Fuseholders. Where fuses are used for motor branch circuit or feeder protection, the fuseholder shall be not of a size smaller than required to accommodate fuses of the maximum rating permitted by Table 26 or 29 except that fuseholders of a smaller size may be used:

- (a) Where Rule 28-202 is applicable;
- (b) Where fuses having time delay appropriate for the starting characteristics of the motor are

used, but they shall be not smaller than required to accommodate fuses rated at 125 per cent of the motor full-load current; or

- (c) In the case of a circuit supplying a group of motors, where the fuseholders accommodate fuses of a size calculated by taking 150 per cent of the full-load current of the largest motor and adding thereto the sum of the full-load currents of all the other motors in the group which may be in operation at the same time.

28-210 Instantaneous Trip (Magnetic Only) Circuit Interrupters. Instantaneous trip (magnetic only) circuit interrupters (without time delay), when used for motor branch circuit overcurrent protection, shall be:

- (a) Part of a combination motor starter or controller that also provides overload protection;
- (b) Rated or adjusted, for an ac motor, to trip at not more than 1,300 per cent of the motor full-load current or at not more than 215 per cent of the motor locked rotor current, where given, except that trip currents less than 15 amperes shall not be required;
- (c) Rated or adjusted, for a dc motor rated at 50 horsepower or less, to trip at not more than 250 per cent of the motor full-load current, or, for a dc motor rated at more than 50 horsepower, to trip at not more than 200 per cent of the motor full-load current.

Overload and Overheating Protection

28-300 Overload Protection Required. The branch circuit conductors and control equipment of each motor shall have overload protection except in the case of:

- (a) A manually started motor rated at 1 horsepower or less, which is continuously attended while in operation and which is on a branch circuit having overcurrent protection rated or set at not more than 15 amperes or on an individual branch circuit having overcurrent protection as specified in Table 26, if it may be readily determined from the starting location that the motor is running;
- (b) A motor constructed so that it cannot be overloaded; or
- (c) A motor whose operating requirements are such that it is impracticable to obtain proper overload protection.

28-302 Overheating Protection Required. Each motor shall be provided with overheating protection except:

- (a) Where the motor circuit requires no overload protection under Rule 28-300; or
- (b) Where overload protective devices required by Rule 28-300 adequately protect the motor against overheating due to excess current and the motor is in a location where:

- (i) Ambient temperatures are not more than 10°C higher than those at the location of the overload devices; and

- (ii) Dust or other conditions will not interfere with the normal dissipation of heat from the motor.

28-304 Types of Overload and Overheating Protection

(1) Overload devices shall comply with one of the following requirements:

- (a) A separate overload device which is responsive to motor current, rated or set at values not greater than those specified in Table 26, and which may combine the functions of overload and overcurrent protection if it is capable of properly protecting the circuit and motor both under overload and short-circuit conditions;
- (b) A protective device, integral with the motor, responsive to motor current or to both motor current and temperature, provided such device will protect the circuit conductors and control equipment as well as the motor.

(2) Overheating protection where required by Rule 28-302 shall be provided by devices integral with the motor and responsive to both motor current and temperature or to motor temperature only, and shall be arranged to cut off power to the motor or by special permission to activate a warning signal when the temperature exceeds the safe limit for the motor.

(3) Motors with inherent overheating protection acceptable under Subrule (2) shall be marked to indicate that they are thermally protected or impedance protected.

(4) Notwithstanding Subrule (1) (a), where the marked service factor of a motor is less than 1.15, or where the service factor or service factor current is not marked on the motor, the rating or setting of separate overload devices, if used, shall not exceed 115 per cent of the full-load current of the motor.

(5) Notwithstanding Subrule (1) (a), fuses used as separate overload protection of motors shall be time-delay fuses of the type referred to in Rule 14-200.

28-306 Number and Location of Overload Protective Devices

(1) The number and location of current responsive overload devices shall, unless otherwise required by the inspection department, be as follows:

- (a) If fuses are used, one in each ungrounded conductor;
- (b) If devices other than fuses are used, the number and location of tripping elements shall be as specified in Table 25.

(2) Where current responsive devices are used for the overload protection of three phase motors, such devices shall comprise three current responsive elements which may be:

- (i) Connected directly in the motor circuit conductors as required by Subrule (1); or
- (ii) Fed by two or three current transformers and so connected that all three phases will be protected.

28-308 Shunting of Overload Protection During Starting. Overload protection may be shunted or cut out of the circuit during the starting period provided that the device by which the protection is shunted or cut out cannot be left in the starting position and provided that the overcurrent device is in the motor circuit during the starting period.

38-310 Automatically Started Motors. An automatically started motor having a rating of 1 horsepower or less shall have overload and overheating protection as required by Rules 28-300, 28-302, and 28-304, unless it is part of an approved assembly equipped with other safety controls which protect the motor from damage due to stalled-rotor current and on which a nameplate, so located as to be visible after installation, indicates that such protective features are provided.

28-312 Automatic Restarting After Overload. Where automatic restarting of a motor after a shut-down on overload may result either in a hazard or in injury to persons, the overload or overheating devices protecting the motor shall be so arranged that automatic restarting cannot occur.

Undervoltage Protection

28-400 Undervoltage Protection Required. Motors shall be disconnected from the source of supply in case of low voltage by one of the following means unless it is evident that no hazard will be incurred through the lack of such disconnection:

- (a) When automatic restarting is liable to create a hazard, the motor control device shall provide low-voltage protection;
- (b) When it is necessary or desirable that a motor stop on failure or reduction of voltage and automatically re-start on return of voltage, the motor control device shall provide low-voltage release.

Control

28-500 Control Required

(1) Each motor shall be provided with approved equipment for starting and stopping it, having a rating in horsepower not less than the motor rating, except as follows:

- (a) For a single-phase portable motor of $\frac{1}{3}$ horsepower or less, 125 volts or less, a plug and receptacle rated at not more than 15 amperes, 125 volts and not rated in horsepower may be used;
- (b) For a motor controlled by a manually operated general-purpose alternating-current switch complying with Rule 14-510, the switch need not be marked in horsepower but its ampere rating shall be at least 125 per cent of the rated load current of the motor;

(c) For a 2-wire portable ac or dc motor of not more than $\frac{1}{3}$ horsepower at not more than 125 volts, a single-pole motor circuit switch rated in horsepower not less than the motor rating may be used;

(d) For two or more motors which are required to operate together, a single controller approved for such service may be used;

(e) For a motor where the controller is specifically approved for use with that motor, it need not be rated in horsepower.

(2) Where additional or supplementary control equipment is provided, such equipment, if required to start or stop the motor, shall conform to the applicable Paragraphs of Subrule (1).

(3) The motor controller need not open the circuit in all conductors to the motor unless it serves also as the disconnecting means.

(4) Except as permitted by Subrule (1), a motor circuit switch or general-use switch shall not be used as a motor starter.

(5) When control power for a motor controller is obtained conductively from a grounded system, the control circuit shall be so arranged that an accidental ground in the wiring from the controller to any control or signalling device will not:

- (a) Start the motor; or
- (b) Prevent the stopping of the motor by the normal operation of any control or safety device in the control circuit.

28-502 Location of Control

(1) Where a motor is controlled manually, either directly or by a remotely controlled motor starter, the motor starter, or the means for operating it, shall be so located, wherever practicable, that the operator can assure himself that the motor may be safely started, unless the motor and the machinery driven thereby are so enclosed or guarded as to prevent accidents due to the contact of persons with moving or live parts.

(2) Where compliance with Subrule (1) is not practicable because of the size, type, or location of the machinery or its parts, devices shall be provided at each point where the danger of accidents exists, whereby the machine may be stopped in an emergency.

28-504 Starters having Different Starting and Running Positions

(1) Manual motor starters having different starting and running positions shall be constructed so that they cannot remain in the starting position.

(2) Magnetic starters having different starting and running positions shall be constructed so that they cannot remain in the starting position under normal operating conditions.

Disconnecting Means

28-600 Disconnecting Means Required

(1) A separate disconnecting means shall be provided for:

- (a) Each motor except as permitted by Subrule (3);
- (b) Each motor starter or controller except as permitted by Rule 28-606 (3);
- (c) Each motor branch circuit as required by Rule 14-010 (b).

(2) Subject to Rules 28-602 and 28-606, the same disconnecting means may be used to satisfy any or all of the requirements of Subrule (1).

(3) Subject to Rule 28-606 a single disconnecting means may serve two or more motors and their associated starting and control equipment grouped on a single branch circuit.

28-602 Types of Disconnecting Means

(1) The disconnecting means shall comply with Rule 14-010 (b) and shall be a motor circuit switch, a circuit breaker, or an approved equivalent device capable of safely establishing and interrupting the locked rotor current of the motor, except that:

- (a) An isolating switch or a general use switch used as an isolating switch may serve as the disconnecting means for a motor or motor starter:
 - (i) Rated at more than 100 horsepower if for 3-phase ac operation; or
 - (ii) Rated at more than 50 horsepower if for other than 3-phase ac operation;
- (b) A manually operated across-the-line type of motor starter may serve as both starter and disconnecting means for the motor;
- (c) An attachment plug may be used as the disconnecting means for a portable motor and its starting and control equipment;
- (d) Where a high-voltage motor starter or controller is of the draw-out type, this feature may serve as the disconnecting means for the motor starter or controller, and, subject to Rules 28-606 and 14-010 (b), may also serve as the disconnecting means for the motor and for the motor branch circuit;
- (e) A single plug fuse may be used as the disconnecting means for a branch circuit having one grounded conductor and feeding a two-wire single-phase or dc motor rated at not more than $\frac{1}{3}$ horsepower.
- (f) A manually-operated general-purpose ac switch complying with the requirements of Rule 14-510 may be used as the disconnecting means for a single-phase motor.

(2) Disconnecting means shall not be of a type which is electrically operated either automatically or by remote manual control.

28-604 Rating of Disconnecting Means. The disconnecting means shall have a rating not less than the following:

- (a) A motor circuit switch for a single motor shall have a horsepower rating not less than that of the motor it serves;
- (b) A circuit breaker or isolating switch for a single motor shall have a current rating not less than 115 per cent of the full-load current rating of the motor it serves;
- (c) A fused motor circuit switch serving a group of motors under the protection of a single set of fuses need not have a rating greater than that required to accommodate the proper size of fuse;
- (d) An unfused motor circuit switch serving a group of motors under the protection of a single set of fuses need not have a rating greater than that required if a fused switch were used;
- (e) A disconnecting means serving a group of motors on a single circuit, shall have:
 - (i) A horsepower rating not less than that of the largest motor in the group, if a motor circuit switch is used; and
 - (ii) A current rating not less than 115 per cent of the full-load current rating of the largest motor in the group plus the sum of the full-load current ratings of all the other motors in the group which may be in operation at the same time.
- (f) A manually operated general purpose ac switch used as permitted by Rule 28-602 (1) (f), shall have a current rating not less than 125 per cent of the rated load current of the motor but need not be marked with a horsepower rating;
- (g) An attachment plug and receptacle used as a disconnecting means in accordance with Rule 28-602 (1)(c) may have a current rating less than the rating of the overcurrent devices protecting them, but not less than the ampacity of the minimum size conductors permitted for the motor branch circuit or sub-circuit in which they are connected.
- (h) The devices mentioned in Rule 28-602 (1) Paragraphs (a), (c), (d), and (e) shall be used only as isolating means and shall not be used to interrupt current except as permitted by Rule 28-500 (1), unless:
 - (i) They have a horsepower rating not less than that of the motor they serve; or
 - (ii) They are specifically approved for the application.

28-606 Location of Disconnecting Means

(1) The disconnecting means for each motor shall be located within sight of and within 9 metres of the motor and the machinery driven thereby.

(2) The disconnecting means for each motor starter or controller, if required, shall be located within sight of and within 9 metres of the motor starter or controller.

(3) By special permission, where a trained and qualified electrical maintenance staff is available, a readily accessible disconnecting means, capable of being locked in the open position, may be installed out-of-sight of or more than 9 metres from the motor starter or controller, or the motor and machinery driven thereby, in lieu of the disconnecting means required by Rule 28-600 (1) (a) and (b); the branch circuit disconnecting means may be used for this purpose if it has the necessary lock-out facility.

28-608 Accessibility of Disconnecting Means. Disconnecting means shall be readily accessible or have the means for operating them readily accessible.

28-610 Disconnecting Means on Portable Machinery. Motor driven machinery of a movable or portable type for industrial use shall have a motor circuit switch or circuit breaker mounted on the machine and accessible to the operator.

Sealed (Hermetic Type) Motor-Compressors

28-700 Rules for Sealed (Hermetic Type) Motor-Compressors. Rules 28-702 to 28-714 apply to sealed (hermetic type) motor-compressors, hereinafter referred to, for brevity, as motor-compressors, and are supplementary to or amendatory of the general Rules of this Section.

28-702 Marking. Motor-compressors, or equipment comprising such, shall be marked as required by Rule 2-100; specifically the marking shall show the full-load current rating and the locked rotor current rating.

28-704 Horsepower Rated Equipment. Horsepower rated equipment used for the control of motor-compressors and not having a marked locked rotor current rating shall be given an equivalent locked rotor current rating equal to six times the full-load current rating; where the full-load current rating is not marked, an equivalent full-load current rating shall be determined from the horsepower rating by referring to Tables 44, or 45 as applicable.

28-706 Conductor Ampacity. The ampacity of conductors of a branch circuit supplying a motor-compressor, or equipment comprising one or more motor-compressors and other loads, shall be based upon the marked full-load current rating of the motor-compressor or equipment and shall comply with the general requirements of this Section.

28-708 Overcurrent Protection

(1) Except as permitted in Subrule (2) each ungrounded conductor of a branch circuit feeding a motor-compressor shall be protected by an overcurrent device rated or set at not more than 50 per cent of the locked rotor current of the motor-compressor, unless such a device will not permit the motor-compressor to start, in which case the rating or setting may be increased to a value not exceeding 65 per cent of the locked rotor current of the motor-compressor.

(2) Subrule (1) shall not be deemed to require use of overcurrent devices rated or set at less than 15 amperes.

28-710 Overload Protection. The branch circuit conductors and control equipment for each motor-compressor shall be provided with overload protection complying with Rule 28-304 except that:

- (a) The rating or setting of overload relays shall not exceed 140 per cent of the marked full-load current of the motor-compressor;
- (b) The rating or setting of other overload devices such as fuses, shall not exceed 125 per cent of the marked full-load current of the motor-compressor; and
- (c) Approved assemblies comprising one or more motor-compressors with or without other loads in combination shall be acceptable with the overload protection included as part of the approved assembly.

28-712 Control Equipment

(1) Control equipment used for the control of motor-compressors shall have:

- (a) Either a marked or an equivalent locked rotor current rating not less than that of the motor-compressor which it controls; and
- (b) Either a marked or an equivalent full-load current rating not less than that of the motor-compressor which it controls.

(2) In all other respects, control equipment for motor-compressors shall be in accordance with Rules 28-500 to 28-502 inclusive.

28-714 Disconnecting Means

(1) The disconnecting means serving a motor-compressor shall have:

- (a) A continuous duty current rating not less than 115 per cent of the full-load current rating of the motor-compressor; and
- (b) An interrupting capacity, or an equivalent locked rotor current rating, as determined in accordance with Rule 28-704, not less than the locked rotor current rating of the motor-compressor.

(2) Where one disconnecting means serves one or more motor-compressors together with other loads, the disconnecting means shall have:

- (a) A continuous duty current rating not less than 115 per cent of the full-load current of the motor or motor-compressor having the largest full-load current rating plus the sum of the full-load currents of all other loads which may be in operation at the same time; and
- (b) An interrupting capacity or equivalent locked rotor current rating as determined in accordance with Rule 28-704 not less than the locked rotor current rating of the motor or motor-compressor having the largest marked or equivalent locked rotor current rating (the equivalent locked current rating being considered to be six times the full-load current rating of the motor or the motor-compressor to which it applies), plus the sum of the full-load current rating of all other loads which may be in operation at the same time.

Multi-Winding and Part-Winding-Start Motors

28-800 Rules for Multi-Winding and Part-Winding-Start Motors. Rules 28-802 to 28-812 apply to the installation of multi-winding and part-winding-start motors.

28-802 Permanent Connection. Where a multi-winding motor is used with windings permanently connected in one approved configuration, it shall be treated as a single-winding motor with ratings corresponding to the winding configuration used.

28-804 Conductor Sizes

(1) The circuit conductors on the supply side of the controller for a multi-winding motor shall be of the size specified by Rule 28-106 for the largest full-load current rating of any winding configuration provided by the controller as connected.

(2) Each conductor run from the controller to the motor shall be of the size specified by Rule 28-106 for the largest full-load current of any winding configuration which it must supply.

28-806 Overcurrent Protection

(1) Each ungrounded conductor on the supply side of the controller shall be protected by an overcurrent device rated or set in accordance with Rule 28-200 for the largest full-load current rating of any winding configuration provided by the controller as connected.

(2) Each ungrounded conductor run from the controller to the motor shall be protected by an overcurrent device rated or set in accordance with Rule 28-200 for the largest full-load current, of any winding configuration served by the conductor so protected, unless the overcurrent devices required by Subrule (1) adequately protects it.

28-808 Overload Protection

(1) Each winding or configuration shall be provided with overload protection in accordance with Rules 28-300 to 28-308 inclusive, rated or set at not more than 125 per cent of the full-load current

rating of the winding or configuration so protected, or at not more than the values given in Table 26 for a motor of equal rating.

(2) For a part-winding-start motor separate overload devices need not be supplied for each winding, provided that overload devices are located in the circuit feeding that winding which is used for starting and are arranged to de-energize both windings when an overload occurs.

28-810 Controls. Each multi-winding motor shall be provided with starting and control equipment in accordance with Rules 28-500 to 28-502, except that:

- (a) The controller shall be specifically approved for use with the motor which it controls;
- (b) Where separate control equipment is provided for each winding or configuration the individual controllers shall be rated in horsepower (or locked rotor current) not less than the rating of the winding or configuration controlled by each, and interlocks shall be provided where necessary to prevent simultaneous operation of controllers not intended to be so operated; or
- (c) The starting and control equipment for each primary winding of a part-winding-start motor shall have a horsepower (or locked rotor current) rating not less than that of the motor, unless specifically approved for use with that motor.

28-812 Disconnecting Means. Each multi-winding motor and its control equipment shall be provided with disconnecting means in accordance with Rules 28-600 to 28-610 except that, for the purposes of Rule 28-604 the horsepower (or locked rotor current) rating of the motor shall be that for the winding or configuration having the largest horsepower (or locked rotor current) rating and, the full-load current rating of the motor shall be that for the winding or configuration having the largest full-load current rating.

Protection and Control of Generators

28-900 Disconnecting Means Required for Generators. Generators shall be equipped with an indicating switch or circuit breaker by means of which the generator and all protective devices and control apparatus may be disconnected entirely from the circuits supplied by the generator except where:

- (a) The driving means for the generator may be readily shut-down; and
- (b) The generator is not arranged to operate in parallel with another generator or other source of electrical energy.

28-902 Protection of Constant-Voltage Generators

(1) Constant-voltage generators, whether direct-current or alternating-current shall be protected from excessive current by overcurrent devices, except that:

(a) Where an inspector is of the opinion that the type of apparatus used and the nature of the system operated make protective devices inadvisable or unnecessary, the protective devices may be dispensed with;

(b) Where an alternating-current generator and a transformer are located in the same building and are intended to operate as a unit for stepping up or stepping down voltage, the protective device may be connected to the primary or to the secondary of the transformer.

(2) Subrule (1) shall not apply to exciters for alternating-current machines.

28-904 Generator Not Driven by Electricity.

Where a generator not driven by electricity supplies a 2-wire grounded system, the protective device shall be capable of disconnecting the generator from both conductors of the circuit.

28-906 Balancer Sets. Where a 3-wire direct-current system is supplied by 2-wire generators operated in conjunction with a balancer set to obtain a neutral, the system shall be equipped with protective devices which disconnect the system in the event of an excessive unbalancing of voltages.

28-908 3-Wire Direct-Current Generators

(1) 3-wire direct-current generators, whether shunt or compound wound, shall be equipped with:

- (a) A 2-pole circuit breaker with two tripping elements; or
- (b) A 4-pole circuit breaker connected in the main- and equalizer-leads and tripped by two tripping elements.

(2) The circuit breaker shall be connected so as to be actuated by the entire armature current.

(3) One tripping element shall be connected in each armature lead.

SECTION 30—INSTALLATION OF LIGHTING EQUIPMENT

30-000 Scope. This Section is supplementary to, or amendatory of, the general requirements of this Code and applies to installations as follows:

- (a) Interior lighting equipment—Rules 30-100 to 30-822; and
- (b) Outdoor lighting equipment—Rules 30-900 to 30-1122.

INTERIOR LIGHTING EQUIPMENT

General

30-100 General. Rules 30-100 to 30-822 apply to:

- (a) The installation of interior lighting fixtures, lampholders, pendants, rosettes, incandescent filament lamps, electric discharge lamps; and
- (b) The wiring and electrical equipment used in conjunction therewith.

30-102 Voltage

(1) Circuit voltages shall not exceed 150 volts-to-ground in any dwelling unit.

(2) In industrial and commercial establishments where a trained and qualified electrical maintenance staff is available, the voltage may exceed 150 volts-to-ground, but shall not exceed the voltage-to-ground of a nominal system voltage of 347/600Y.

30-104 Protection

(1) Incandescent medium-base luminaires and incandescent medium-base lampholders shall not be connected to a branch circuit protected by overcurrent devices rated or set at more than 15 amperes.

(2) Subrule (1) shall not apply to medium-base lampholders which form an integral part of a luminaire having mogul-base lampholders.

(3) Incandescent mogul-base luminaires and mogul-base lampholders shall not be connected to a branch circuit protected by overcurrent devices rated or set at more than 40 amperes.

(4) Fluorescent luminaires shall not be connected to a branch circuit protected by overcurrent devices rated or set at more than 15 amperes except for circuits supplying fluorescent luminaires only, where the luminaire wiring and ballasts are enclosed in metal, the rating of the overcurrent protection may exceed 15 amperes but shall not exceed 20 amperes.

(5) High intensity discharge (HID) luminaires which incorporate medium-base lampholders shall not be connected to a branch circuit protected by overcurrent devices rated or set at more than 20 amperes.

(6) High intensity discharge (HID) luminaires which incorporate mogul-base lampholders shall not be connected to a branch circuit protected by overcurrent devices rated or set at more than 40 amperes.

Location of Lighting Equipment

30-200 Near or Over Combustible Material

(1) Lighting fixtures installed where combustible material is liable to be stored shall be equipped with shades or guards so as to limit the temperature

to which the combustible material may be subjected to a maximum of 90°C.

(2) Luminaires and lampholders installed under the conditions of Subrule (1) shall be of the unswitched type.

(3) Where luminaires or lampholders are installed over readily combustible material, every luminaire and lampholder shall be controlled by an individual wall switch, but a wall switch may control more than one luminaire or lampholder if every luminaire and lampholder is located at least 2.5 metres above floor level, or located or guarded so that the lamps cannot be readily removed or damaged.

(4) Switches and lampholders installed under the conditions of Subrule (1) shall have no exposed wiring.

30-202 In Show Windows

(1) No luminaire having exposed wiring other than a luminaire of a chain suspension type shall be used in a show window.

(2) No lampholder having a paper or fibre lining shall be used in a show window.

(3) Exposed flexible cord or fixture wire shall not be used to supply permanently installed lighting fixtures in show cases or wall cases.

30-204 In Clothes Closets

(1) Every luminaire installed in a clothes closet shall be located on the ceiling or on the front wall above the door of the closet, unless mounted on the trim or sidewall of the doorway and approved for the application.

(2) Electric luminaires of the pendent type shall not be installed in a clothes closet.

Installation of Lighting Equipment

30-300 Live Parts

(1) Luminaires, lampholders, and rosettes shall be installed so that no live part is exposed to contact while they are in use.

(2) Where lampholders and switches have exposed accessible terminals, they shall not be installed in metal luminaire-canopies or in open bases of portable lamps.

30-302 Supports

(1) Every luminaire, lampholder, and rosette shall be securely supported.

(2) Where a luminaire weighs more than 6 pounds or exceeds 16 inches in any dimension, it shall not be supported by the screw-shell of the lampholder.

(3) Where the weight of a luminaire does not exceed 25 pounds it shall be permitted to be supported directly by an outlet box or by an outlet box that is mounted on a bar hanger.

(4) Where a luminaire, weighs more than 25 pounds, it shall be supported independently of the outlet box, or by means of an acceptable fixture hanger with integral outlet box.

30-304 Outlet Boxes to be Covered

(1) Every outlet box used with lighting equipment shall be provided with a cover or covered by a luminaire-canopy, lampholder, rosette, or other device.

(2) Where any part of a combustible wall or ceiling is exposed between the edge of a luminaire-canopy or pan and an outlet box, the part of the wall or ceiling shall be covered with noncombustible material.

30-306 Wiring Space

(1) Every luminaire-canopy and outlet box shall be installed so as to provide adequate space for conductors and connections.

(2) Every luminaire shall be so constructed and installed that conductors in the luminaire and outlet box are not subjected to temperatures greater than those for which the conductors are approved.

30-308 Recessed Luminaires

(1) The recessed portion of every recessed luminaire enclosure shall be at least 12.5 millimetres from combustible material at every point other than at a point of support.

(2) Every recessed luminaire shall be so installed that adjacent combustible material is not subjected to temperatures in excess of 90°C.

(3) Where a luminaire is recessed in fire-resisting material in a building of fire-resisting construction, the fire-resisting material may be subjected to temperatures of not more than 150°C but the luminaire shall be plainly marked as approved for the service.

(4) Recessed luminaires shall not be used when blanketed with thermal insulation unless the luminaires are marked and approved for this use.

30-310 Circuit Connections

(1) Every luminaire shall be installed so that the connections between the luminaire conductors and the branch circuit conductors may be inspected without disconnecting any part of the wiring unless the connection employs a plug and receptacle.

(2) Luminaires weighing more than 4.5 kilograms shall be installed so that the branch circuit wiring con-

nections and the grounding connections will be accessible for inspection without removing the luminaire supports.

(3) Branch circuit conductors within 75 millimetres of a ballast within the ballast compartment shall have a maximum allowable conductor temperature of not less than 90°C.

30-312 Luminaire as a Raceway

(1) Branch circuit conductors run through a luminaire shall be contained in a raceway which is an integral part of the luminaire and which meets the requirements for a lighting fixture raceway, except that the conductors of a 2-wire, 3-wire, or 4-wire branch circuit supplying the luminaires may be carried through:

(a) An installation of fixtures approved and marked for end-to-end assembly to form a continuous channel; or

(b) Fixtures which are connected together by acceptable wiring methods.

(2) Ballasts located within lighting fixtures referred to in Subrule (1) shall be deemed to be sources of heat and the conductors supplying the fixtures shall:

(a) Have a voltage rating not less than 600 volts;

(b) Have a temperature rating not less than 90°C;

(c) Be not smaller than No. 14 AWG; and

(d) Be of a type listed in:

(i) Table 19, as being suitable for use in raceways; or

(ii) Table 11, as being suitable for use in accordance with this Rule, provided the conductors are not smaller than No. 14 AWG and do not extend beyond the luminaires through raceways more than 2 metres long.

(3) Notwithstanding Subrule (2), non-metallic sheathed cable may be used for supplying luminaires provided it has a temperature rating of 90°C.

30-314 Polarization of Luminaires

(1) A luminaire shall be wired so that all screw-shells of its lampholders are connected to the same luminaire conductor or terminal, which shall be connected either to the grounded circuit conductor, if one exists, or to ground, by a separate connection, providing that an isolating (2-winding) type transformer or ballast is used but, if no grounded circuit conductor exists, the lampholders shall be supplied from an isolating (2-winding) type transformer or ballast with the screw-shells separately connected to ground.

(2) Notwithstanding Subrule (1), where a high-intensity discharge lamp ballast supplies two lamps in series, the screw-shell of one lampholder need

not be at ground potential, provided that removal of its lamp isolates the screw-shell.

(3) Notwithstanding Subrule (1), where an approved luminaire assembly incorporating a guard or other means to prevent accidental contact with bare live parts while inserting or removing the lamps is provided:

(a) Connection of the screw-shell to the grounded non-current-carrying metal parts of the luminaire is not required; and

(b) An isolating (2-winding) transformer or ballast is not required.

30-316 Combustible Shades and Enclosures. Every luminaire having a combustible shade or enclosure shall be installed so as to provide an adequate air space between the lamps and the combustible shade or enclosure.

30-318 Minimum Height of Low Luminaires

(1) Where a rigid luminaire or lampholder is located at a height of less than 2.1 metres above the floor and is readily accessible, the luminaire or lampholder shall be protected from mechanical injury by a guard or by location.

(2) A short flexible drop light or luminaire may be used in place of the rigid luminaire in Subrule (1).

30-320 Luminaires Exposed to Flying Objects. Where luminaires are installed in gymnasiums or similar locations where the lamps are normally exposed to damage from flying objects, the lamp shall be guarded by one of the following means:

(a) Metal reflectors that effectively protect the lamps;

(b) Metal screens;

(c) Enclosures of armoured glass or suitable plastic material.

30-322 Canopy Switches. Canopy switches shall only be attached to luminaires and luminaire-canopies having knockouts suitably constructed and located for the accommodation of such switches, or they may be located in the chain.

30-324 Luminaires in Damp or Wet Locations

(1) Luminaires installed in damp or wet locations shall be approved for such locations and be so marked.

(2) Luminaires suitable for use in wet locations may also be used in damp locations.

30-326 Lighting Equipment in Damp Locations or Near Grounded Metal

(1) Where lampholders or luminaires are installed in damp locations or within 2.5 metres vertically or 1.5

metres horizontally of laundry tubs, plumbing fixtures, steam pipes or other grounded metal work or grounded surfaces, the lampholders or luminaires shall be controlled by a wall switch, except as permitted in Subrule (2).

(2) A lampholder having an outer shell of insulating material, or a luminaire, installed under the conditions of Subrule (1), may have an integral switch if the operating means for the switch is suitably insulated from live parts and, if of the pullchain type, conforms to Rule 30-610.

(3) Switches (including wall switches) for controlling lampholders or fixtures covered by Subrule (1) shall not be located within reach of a person in a shower or bathtub.

30-328 Basement Stair Lighting. Lamps which light basement stairs shall be controlled by a switch located at a convenient point above the stairs.

30-330 Totally-Enclosed Gasketed Luminaires. Incandescent totally-enclosed gasketed luminaires, unless marked as suitable for the purpose, shall not be mounted on a combustible ceiling.

Wiring of Lighting Equipment

30-400 Wiring of Luminaires

(1) All electrical wiring on or within a luminaire shall be:

- (a) Neatly arranged without excess wiring;
- (b) Not exposed to mechanical injury; and
- (c) Arranged so that it is not subjected to temperatures above those for which it is approved.

(2) No joint or tap shall be located within an arm or stem of a luminaire.

30-402 Colour Coding. Notwithstanding the requirements of Sections 0, 4, and 10 with regard to the colours used for distinguishing and identifying conductors, a continuous-coloured tracer in the braid of an individual braided conductor shall be permitted for the supply conductors of a luminaire; the colour of the tracer being black, white, and green for the ungrounded, identified and grounding conductors respectively.

30-404 Conductor Insulation. Luminaires shall be wired with conductors at least No. 18 AWG, having insulation suitable for the voltage and temperatures to which the conductors may be subjected.

30-406 Conductors on Movable Parts

(1) Stranded conductors shall be used on chain fixtures and other movable parts of lighting equipment.

(2) Conductors shall be arranged so that the weight of the lighting fixture or the movable parts does not place undue tension on the connections.

(3) All conductors which supply movable parts of lighting equipment shall be protected against mechanical injury.

30-408 Pendent Conductors for Incandescent Filament Lamps

(1) Where pendent lampholders having permanently attached leads are used with other than festoon wiring, they shall be hung from separate stranded rubber- or thermoplastic-insulated pendent conductors which are connected directly to the circuit conductors but supported independently thereof.

(2) Where thermoplastic-insulated pendent conductors are used in locations where they may be subjected to temperatures lower than -10°C they shall be of a type approved for the purpose.

(3) Where the pendent conductors supply mogul or medium-base screw-shell lampholders, they shall be not smaller than No. 14 AWG.

(4) Where the pendent conductors supply intermediate or candelabra-base lampholders other than approved Christmas-Tree and decorative lighting-outfits, the conductors shall be not smaller than No. 18 AWG.

(5) Where the pendent conductors are longer than 900 millimetres, they shall be twisted together.

30-410 Wiring of Recessed Luminaires

(1) Conductors having insulation suitable for the temperature encountered shall be used for wiring recessed luminaires.

(2) Branch circuit conductors having insulation suitable for the temperature encountered shall be permitted to be run directly to the luminaire.

(3) Tap connection conductors shall:

- (a) Have insulation suitable for the temperatures encountered; and
- (b) Be not smaller than No. 14 AWG copper; and
- (c) Extend at least 1.2 metres from the luminaire, terminate in an outlet box located not less than 300 millimetres from the luminaire and be either run in a raceway or as armoured cable.

(4) The outlet box referred to in Subrule (3) (c) shall be accessible as required by Rule 12-3018, and if access is through the opening for mounting the luminaire, or through some other opening in the ceiling, this opening shall be not less than 32,000 square millimetres with no dimension less than 200 millimetres and the outlet box shall be mounted within 350 millimetres of the opening.

(5) A supply connection box forming part of an approved fixture assembly shall be accessible in accordance with Rule 12-3018, and if access is through the opening for mounting the fixture, the following requirements shall be met:

- (a) The electrical components of the luminaire shall be capable of extraction through the opening for service; these components shall include the lampholder, the leads to the lampholder, and the connections in the supply connection box; and
- (b) The cover of the supply connection box shall be capable of removal by a hand tool held below the ceiling.

(6) Branch circuit conductors shall not pass through the supply connection box forming part of an approved fixture assembly unless the fixture is approved and marked for the purpose.

30-412 Wiring of Ceiling Outlet Boxes

(1) Branch circuit conductors used for the wiring of all ceiling outlet boxes on which a lighting fixture is, or may be mounted, shall have:

- (a) insulation suitable for 90°C;
- (b) insulation suitable for at least 60°C for boxes;
 - (i) Located in unheated concrete slabs;
 - (ii) Remote from a fixture;
 - (iii) Mounted in or on vertical walls; or
 - (iv) In barns or other damp locations;
- (c) insulation suitable for at least 75°C for boxes located in cable-heated concrete ceilings.

(2) For the purpose of compliance with this Rule, the ampacity of the conductors referred to in Subrule (1) shall be limited to the ampacity of 60°C wire.

(3) Notwithstanding Subrule (1), conductors having insulation suitable for 90°C will not be required for:

- (a) Boxes located in concrete slabs;
- (b) Boxes remote from a fixture;
- (c) Boxes mounted in or on vertical walls; or
- (d) Boxes in barns or other damp locations;

except where the boxes are located in cable-heated concrete ceilings.

30-414 Wiring of Show Window Luminaires

(1) Where show window luminaires are closely spaced, they may be connected to asbestos-insulated conductors within the show window.

(2) The connection of show window luminaires to the circuit conductors shall be in a junction box.

(3) The junction box shall be maintained at a sufficient distance from the luminaire to ensure that the circuit conductors are not subjected to temperatures in excess of their rating.

Grounding of Lighting Equipment

30-500 Grounding. Non-current-carrying metal parts of luminaires and associated equipment shall be grounded in accordance with Section 10.

Rosettes and Lampholders

30-600 Lampholders. Lampholders of the screw-shell type shall be installed for use as lampholders only.

30-602 Lampholder Rating with Incandescent Lamps

(1) Every medium-base lampholder shall have a rating of 660 watts, 250 volts.

(2) Where medium-base lampholders are not of special heat-resisting construction, they shall not be used with incandescent lamps rated in excess of 300 watts.

(3) Where medium-base lampholders are used with incandescent lamps rated at 300 watts, the lamps shall be provided with a heat-deflecting disc or equivalent device.

(4) Mogul-base lampholders shall not be used with incandescent lamps rated at more than 1,500 watts.

30-604 Connections to Lampholders. The identified conductor, if present, shall be connected to the lampholder screw-shell.

30-606 Conductor Mechanical Protection. Where a metal lampholder is attached to a flexible cord, the inlet for the flexible cord shall be equipped with an insulating bushing but if the lampholder is provided with a side outlet, a metal grommet may be used.

30-608 Switched Lampholders Used on Unidentified Circuits. Where lampholders of the switched type are used on unidentified 2-wire circuits tapped from the ungrounded conductors of multi-wire circuits, the switching devices of the lampholders shall disconnect both conductors of the circuit simultaneously.

30-610 Switched Lampholders With Pull-Type Mechanisms. On switched type lampholders employing pull-type mechanisms, the operating means shall be:

- (a) Cords made of approved insulating materials;
- (b) Cords of approved insulating materials, or chains with links of approved insulating material, connected to metal chains as close as possible to where the chains emerge from the enclosure; or

- (c) Metal chains without insulating links provided that the lampholder is approved as not requiring insulating links.

30-612 Lampholders in Wet and Damp Locations

(1) Where lampholders are installed in wet or damp locations, they shall be of the weatherproof type.

(2) Where lampholders installed in wet or damp locations are of insulating material, they shall be capable of resisting mechanical shock.

30-614 Approved Rosettes. Separable rosettes which make possible a change in polarity shall not be used.

30-616 Rosettes in Wet or Damp Locations. Where rosettes are installed in wet or damp locations, they shall be of the weatherproof type.

30-618 Portable Handlamps

(1) Where a lampholder of the portable handlamp type is supplied through a flexible cord, the lampholder shall be of moulded composition or other type approved for the purpose.

(2) Every portable handlamp shall be equipped with a handle of moulded composition or other approved material.

(3) Where portable handlamps are subject to mechanical damage or may come in contact with combustible material, they shall be equipped with a substantial guard attached to the lampholder or to the handle.

Electric-Discharge Lighting Systems Operating at 1,000 Volts or Less

30-700 Rules for Discharge Lighting Systems 1000 Volts or Less. Rules 30-702 to 30-714 apply to electrical equipment used with electric-discharge lighting systems operating at 1000 volts or less.

30-702 Oil-Filled Transformers. Transformers of the oil-filled type shall not be used.

30-704 Direct-Current Equipment. Fixtures shall not be installed on a direct-current circuit unless they are equipped with auxiliary equipment and resistors designed for direct-current operation; and the fixtures are so marked.

30-706 Voltages, Dwelling Units. Where equipment has an open-circuit voltage of more than 300 volts, it shall not be installed in dwelling occupancies unless the equipment is designed so that no live parts are exposed during the insertion or removal of lamps.

30-708 Thermal Protection. Lighting fixtures which employ fluorescent lamps shall have thermally protected ballasts except where the ballasts are of simple reactance type.

30-710 Auxiliary Equipment

(1) Reactors, capacitors, resistors, and auxiliary equipment shall be:

- (a) Enclosed within the lighting fixture;
- (b) Enclosed within an accessible, permanently installed, metal cabinet where remote from the luminaire; or
- (c) Acceptable for use without an additional enclosure.

(2) Adequate provision shall be made for the dissipation of heat from enclosed auxiliary equipment and the conductors supplying the auxiliary equipment.

(3) The metal cabinet, if not part of the luminaire, shall be installed as close as possible to the luminaire.

(4) Where display cases are not permanently installed, no part of a secondary circuit shall be included in more than one case.

(5) Where discharge lamp ballasts are located remote from the lighting units, they shall be connected by:

- (a) Conductors of the fixture wire type as listed in Table 11 or building wire type as listed in Table 19:
 - (i) Having a voltage rating not less than 600 volts;
 - (ii) Having a temperature rating not less than 90°C; and
 - (iii) Suitable for pulling into a raceway; or
- (b) A cable having a temperature rating of not less than 90°C as permitted by other Sections of the Code.

30-712 Control

(1) The luminaires and lamp installations shall be controlled by a switch, circuit breaker or contactor.

(2) Where a switch is used, it shall:

- (a) Have a current rating of not less than twice the current rating of the lamps or transformers;
- (b) Be of a type approved with the assembly;
- (c) Be a manually-operated general-purpose alternating-current switch complying with Rule 14-510;
- (d) Be a snap switch having an "F" rating complying with Rule 14-508; or
- (e) Be a manually operated specific-use ac switch complying with Rule 14-512.

(3) Where a circuit breaker is used, it shall comply with the requirements of Rule 14-104.

(4) Where a contactor is used, it shall have a current rating of not less than twice the current rating of the lamps or transformers unless the contactor is approved as suitable for this use and so marked.

30-714 Branch Circuit Capacity

(1) Where lighting branch circuits supply luminaires employing ballasts, transformers, or auto-transformers, the load on the branch circuits shall be computed on the basis of the total amperes of the units and not on the watts of the lamps.

(2) The aggregate capacity of fixtures connected to a lighting branch circuit shall not exceed 80 per cent of the branch circuit overcurrent protection.

30-716 Overcurrent Protection of High-Intensity Discharge Lighting Equipment. Overcurrent protection shall not be provided in a high-intensity discharge luminaire or separate ballast box unless the combination is approved for the purpose and so marked.

30-718 Cord Connected Fluorescent Luminaires in a Suspended Ceiling. Notwithstanding Rule 30-410, fluorescent luminaires installed in a suspended ceiling shall be permitted to be cord connected providing:

- (a) The installation is not contrary to other building codes or local by-laws; and
- (b) The power supply cord for each fluorescent luminaire is:
 - (i) Hard usage or extra hard usage not less than No. 14 AWG;
 - (ii) Rated not less than 90°C;
 - (iii) Extend not more than 3 metres from the luminaire; and
 - (iv) Be protected by an overcurrent device rated or set at not more than 15 amperes.

Electric-Discharge Lighting Systems Operating at More Than 1,000 Volts

30-800 Rules for Discharge Lighting Systems, More than 1,000 Volts. Rules 30-802 to 30-822 apply to electrical equipment used with electric-discharge lighting system operating at more than 1,000 volts.

30-802 Voltages, Dwelling Units. Where equipment has an open-circuit voltage of more than 1000 volts, it shall not be installed in dwelling units.

30-804 Control

(1) The luminaires and lamp installations shall be controlled singly or in groups by an externally operated switch or circuit breaker which opens all ungrounded primary conductors.

(2) The switch or circuit breaker shall be:

- (a) Installed within sight of the fixtures or lamps; or

(b) Provided with a means for locking it in the open position.

(3) The switch shall:

(a) Have a current rating of not less than twice the current rating of the transformer or transformers controlled by it;

(b) Be of a type approved for the purpose;

(c) Be a manually-operated general-purpose alternating-current switch complying with Rule 14-510;

(d) Be a snap switch having an "F" rating complying with Rule 14-508; or

(e) Be a manually operated specific-use ac switch complying with Rule 14-512.

(4) The circuit breaker shall comply with the requirements of Rule 14-104.

30-806 Transformer Rating

(1) Every transformer and ballast shall have a secondary open-circuit voltage of not more than 15,000 volts, except that every transformer and ballast of the open-core-and-coil type shall have a secondary open-circuit voltage of not more than 7,500 volts.

(2) The secondary current rating shall be not more than 240 milliamperes, except that, where the secondary open-circuit voltage exceeds 7,500 volts, the secondary current rating shall not be more than 120 milliamperes.

30-808 Liquid-Filled Transformers. Transformers of the liquid-filled type shall not be used unless they are filled with a nonflammable liquid.

30-810 Transformers, Secondary Connection

(1) The high-voltage windings of transformers operating at more than 1,000 volts shall not be connected in series or in parallel, but where each of two transformers has one end of its high-voltage winding grounded and connected to the enclosure, the high-voltage windings may be connected in series to form the equivalent of a mid-point grounded transformer.

(2) The grounded end of each high-voltage winding shall be connected by an insulated stranded copper conductor not smaller than No. 14 AWG.

30-812 Location of Transformers

(1) Transformers operating at more than 1,000 volts shall be accessible for servicing or replacement.

(2) The transformers shall be installed as near to the lamps as practicable.

(3) The transformers shall be located so that adjacent combustible materials are not subjected to temperatures in excess of 90°C.

30-814 Wiring Method

(1) The secondary conductors shall be luminous-tube-sign cable approved for the purpose and for the voltage of the circuit.

(2) Not more than a total of 6 metres of cable shall be run in metal raceway from a transformer.

(3) Not more than a total of 16 metres of cable shall be run in a non-metallic raceway from a transformer.

(4) The conductors shall be installed in conformity with Section 34.

30-816 Transformer Loading. Where the lamps are connected to a transformer, they shall be of such length and characteristics as not to cause a condition of continuous over-voltage on the transformer.

30-818 Lamp Supports

(1) Lamps operating at more than 1,000 volts shall be supported in the manner required by Section 34.

(2) The lamps shall not be installed where they are exposed to mechanical injury.

30-820 Lamp Terminals and Lampholders

(1) Parts which must be removed for lamp replacement shall be hinged or fastened by an approved means.

(2) Lamp terminals and lampholders shall be designed so that the tubing can be replaced with the minimum exposure of bare live parts during re-lamping.

(3) The designs referred to in Subrule (2) need not afford protection against "Space Discharge" shocks as tubes are replaced by trained maintenance staff.

30-822 Marking. Every fixture and every secondary circuit of tubing having an open-circuit voltage of more than 1,000 volts shall be clearly and legibly marked in letters and figures not less than one inch high with the words "CAUTION . . . VOLTS", the rated open-circuit voltage being inserted in figures, in the space between the words.

OUTDOOR LIGHTING EQUIPMENT

General

30-900 General

(1) Rules 30-900 to 30-1128 apply to temporary or permanent outdoor lighting equipment, for either decorative lighting or illumination of outdoor areas, where protection of the system and safety from shock hazard is the main concern and the fire hazard is of secondary nature.

(2) Rules 30-900 to 30-1128 cover only that portion of the installation which is outside of buildings.

(3) Luminaires which employ fluorescent lamps shall have thermally protected ballasts except where the ballasts are of the simple reactance type.

30-902 Polarization of Luminaire

(1) A luminaire shall be wired so that all screw-shells of its lampholders are connected to the same luminaire conductor or terminal, which shall be connected either to the grounded circuit conductor, if one exists, or to ground, by a separate connection, provid-

ing that an isolating (2-winding) type transformer or ballast is used, but if no grounded circuit conductor exists the lampholder shall be supplied from an isolating (2-winding) type transformer or ballast with the screw-shells separately connected to ground.

(2) Notwithstanding Subrule (1), where a high-intensity discharge lamp ballast supplies two lamps in series, the screw-shell of one lampholder need not be at ground potential, provided that removal of its lamp isolates the screw-shell.

(3) Notwithstanding Subrule (1), where an approved luminaire incorporating a guard or other means to prevent accidental contact with bare live parts while inserting or removing the lamps is provided:

(a) Connection of the screw-shell to the grounded non-current-carrying metal parts of the luminaire is not required; and

(b) An isolating (2-winding) transformer or ballast is not required.

30-904 Overcurrent Protection of High-Intensity Discharge Lighting Equipment. Overcurrent protection shall not be provided in a high-intensity discharge luminaire or separate ballast box unless the combination is approved for the purpose and so marked.

Permanent Outdoor Floodlighting Installations

30-1000 General

(1) Rules 30-1002 to 30-1036 apply to permanent, outdoor installations of floodlights of 300 watts or larger, using mogul-base lampholders, where the floodlights are mounted on poles or towers.

(2) These Rules are based on the understanding that authorized persons may replace lamps but all other maintenance will be done by qualified persons.

30-1002 Service Equipment

(1) Service equipment shall comply with Section 6 for low-voltage installations, and with Section 36 for high-voltage installations.

(2) Where indoor equipment is installed outdoors, it shall be installed in an acceptable weatherproof enclosure.

30-1004 Wiring Methods, Underground

(1) Wiring underground shall be run:

(a) Where acceptable, in rigid steel or rigid aluminum conduit;

(b) In non-metallic underground conduit;

(c) As lead-sheathed armoured cable, mineral-insulated cable, or aluminum-sheathed cable; or

(d) As conductors or cable assemblies acceptable for direct earth burial as indicated in Table 19 or, by special permission, for service entrance below ground as indicated in Table 19.

(2) Conductors in conduit shall be of types indicated in Table 19 as being suitable for use in wet locations.

(3) Conductors buried directly in the earth shall be installed in accordance with Rule 12-012.

(4) Suitable corrosion-resistant protection shall be provided for aluminum-sheathed cable and aluminum conduit; and also for mineral-insulated cable, if used where materials coming in contact with the cable may have a deteriorating effect on the sheath.

30-1006 Wiring Methods, on Poles

(1) All electrical equipment on the pole shall be controlled by a switch which can be locked in the "Off" position, and each pole shall be provided with a prominent sign warning against climbing the pole until the switch is "Off" unless all conductors and live parts other than those used for pole top wiring are guarded against accidental contact in one of the following ways:

- (a) The conductors are run in rigid or flexible metal conduit, as mineral-insulated cable, or up the centre of steel, aluminum or hollow concrete poles;
- (b) The conductors and live parts are kept at least 1 metre from the climbing ladder or climbing steps;
- (c) Barriers are provided between conductors or live parts, or both, and the climbing ladder so as to prevent likelihood of contact by the climber.

(2) Conductors run up the centre of poles shall be supported so as to prevent injury to the conductors inside the pole and as to prevent undue strain on the conductors where they leave the pole.

(3) Where vertical conductors, cables and grounding conductors are within 2.5 metres of locations accessible to unauthorized persons, they shall be provided with a covering which gives acceptable mechanical protection.

(4) On wood poles, for grounding conductors from lighting arresters, the protective covering specified in Subrule (3) shall be of wood moulding or other insulating material giving equivalent protection.

30-1008 Pole Top Distribution Panelboards.

Where there is more than one branch circuit on a pole top, the feeders shall be run to a distribution panelboard which shall be either weatherproof or installed in a weatherproof enclosure, except that the panelboard may be omitted where there are only two branch circuits on a 120/240-volt circuit with common neutral and where there are only three branch circuits on a 120/208-volt, 3-phase, 4-wire circuit.

30-1010 Overcurrent Protection of Pole Top Branch Circuits. Pole top branch circuits shall have overcurrent protection rated or set at no more than 100 amperes.

30-1012 Pole Top Branch Circuit Wiring. Pole top branch circuit wiring, exclusive of leads approved with the floodlights to which they are connected, shall be run:

- (a) As lead-sheathed cable or rubber- or thermoplastic-insulated moisture-resistant types of conductors installed in rigid conduit;

(b) As mineral-insulated cable or aluminum-sheathed cable; or

(c) By special permission, as insulated or un-insulated exposed wiring provided that:

- (i) The wiring is supported on suitable insulators;
- (ii) The wiring is controlled by a switch which can be locked in the "Off" position; and
- (iii) The pole is provided with a prominent sign warning against climbing it until the switch is "Off".

30-1014 Joints

(1) Open taps and joints may be made in pole top open wiring provided the joint or tap is given insulation equivalent to that on the conductors joined.

(2) There shall be no joints or splices concealed within conduit.

30-1016 Location of Transformers. Transformers shall comply with the following:

- (a) If mounted on floodlight poles, all live parts shall be guarded as required by Rule 30-1006;
- (b) If mounted on poles, the bottom of the transformer shall be at least 5 metres above locations accessible to unauthorized persons;
- (c) If located on platforms on the ground, they shall be completely enclosed so as to prevent access by unauthorized persons or they shall be surrounded by a protecting fence which shall comply with the requirements of Rules 26-300 to 26-324.

30-1018 Overcurrent Protection of Transformers. Overcurrent protection of transformers shall be in accordance with Section 26.

30-1020 Switching of Floodlights. Switches controlling floodlights shall comply with the following:

- (a) A switch on the primary side of a transformer shall be capable of making and interrupting the full load on the transformer;
- (b) Switches controlling floodlights from the secondary side of a transformer shall have a current rating not less than 125 per cent of the current requirements of the floodlights controlled;
- (c) Switches shall be capable of being operated without exposing the operator to danger of contact with live parts, either by remote operation or by proper guarding;
- (d) Switches shall be capable of being locked in the "Off" position.

30-1022 Grounding of Circuits at 300 Volts or Less. Circuits operating at potentials of 300 volts or less between conductors shall be grounded.

30-1024 Grounding of Circuits Above 300 Volts. Circuits operating at potentials above 300 volts may be grounded at the discretion of the supply authority and in accordance with the requirements of the inspection department.

30-1026 Material for Grounding Conductors. Grounding conductors shall be of material as specified in Rules 10-802 and 10-804.

30-1028 Grounding Methods

(1) A grounded secondary circuit shall be grounded in accordance with Section 10.

(2) The secondary grounded circuit conductor may be grounded by an interconnection to the primary grounded circuit conductor provided:

- (a) The primary is grounded at the transformers; and
- (b) Interconnection is made only at the transformer.

30-1030 Grounding and Bonding of Non-Current-Carrying Metal Parts

(1) All non-current-carrying metal parts within 2.5 metres of locations accessible to unauthorized persons shall be grounded.

(2) Except for isolated metal parts such as cross-arm braces, bolts, insulator pins and the like, non-current-carrying metal parts of electrical equipment at the pole top shall be bonded together and, if within reach of any grounded metal, shall be grounded.

(3) The size of grounding or bonding conductor shall be as specified in Rule 10-812.

30-1032 Installation of Lightning Arresters. Where lightning arresters are installed, they shall be in accordance with Rule 10-1000 and 10-1002 with the addition that a common grounding conductor and common electrode system may be used for grounding primary and secondary neutrals and lighting arresters.

30-1034 Types of Equipment Permitted. Floodlights, secondary wiring, conduit, conduit fittings, and distribution panelboards shall be approved, and other electrical pole top equipment shall be acceptable types.

30-1036 Climbing Steps. Where it is necessary to climb the pole to replace lamps, permanent climbing steps shall be provided and the lowest permanent step shall be not less than 3.7 metres above locations accessible to unauthorized persons.

Exposed Wiring For Permanent Outdoor Lighting

30-1100 General. Rules 30-1102 to 30-1122 apply to exposed wiring for permanent outdoor lighting other than floodlighting where the circuits are run between buildings, between poles, or between buildings and poles.

30-1102 Conductors. Conductors shall be stranded, not less than No. 12 AWG, and shall be:

- (a) Of a type suitable for exposed wiring where exposed to the weather as specified in Table 19;

- (b) Of the rubber-insulated type suitable for exposed wiring where exposed to the weather as specified in Table 19, when lampholders of a type which puncture the insulation and make contact with the conductors are used; or

- (c) Of the moisture-resistant rubber-insulated type suitable for exposed wiring where exposed to the weather as specified in Table 19, if cabled together and used with messenger cables.

30-1104 Use of Insulators

(1) Conductors shall be securely attached to insulators at each end of the run if a messenger is not used and at intermediate points of support if there are any.

(2) Insulators at the ends of runs shall be of the strain type unless the conductors are supported by messenger cables.

(3) Split knobs shall not be used.

30-1106 Height of Conductors. Conductors supplying lamps in parking lots, used-car lots, drive-in establishments, and similar commercial areas shall be maintained such that the conductors or the bottom of a lamp fed from the conductors, whichever is lower, shall have a clearance of not less than 4 metres above grade at any point in a run, except that where a drive-way or thoroughfare exists this clearance shall be not less than 5 metres.

30-1108 Spacing from Combustible Material. Conductors and lampholders shall be maintained at a distance of not less than 1 metre from any combustible material except for branch circuit conductors at the point of connection to buildings or poles.

30-1110 Spacing of Conductors. Conductors shall be separated at least 300 millimetres from each other by means of insulating spacers at intervals of not more than 4.5 metres unless the conductors are secured to and supported by messenger cables.

30-1112 Lampholders

(1) Lampholders shall be of weatherproof types with moulded insulating bodies.

(2) Lampholders shall be of types having either:

- (a) Permanently attached leads; or
- (b) Terminals of a type which puncture the insulation and make contact with the conductors.

(3) Lampholders having permanently attached leads shall have the connections to the circuit wires staggered where a cabled assembly is used.

30-1114 Protection of Lampholders. Lampholders may be connected to branch circuits protected by overcurrent devices rated or set at not more than 30 amperes provided that the lampholders are:

- (a) For incandescent lamps;
- (b) Of the unswitched type; and

- (c) Rated not less than 660 watts.

30-1116 Use of Messenger Cables

(1) Messenger cables shall be used to support the conductors:

- (a) If lampholders having permanently attached leads are used, and the span exceeds 12 metres; and
- (b) In all cases where lampholders having terminals which puncture the insulation are used.

(2) Messenger cable shall be securely attached at each end of the run and shall be grounded in accordance with Section 10.

(3) Conductors shall be permanently attached to the messenger in a method acceptable to the inspection authority.

30-1118 Construction of Messenger Cables

(1) Messenger cables shall be of galvanized steel, copper-coated steel, or stainless steel and shall be of stranded construction with not less than seven strands.

(2) Galvanized steel shall have a coating of not less than 0.15 ounces per square foot.

(3) The effective ultimate strength of a messenger cable shall be not less than three times the calculated maximum working load, including loading due to ice loads and wind loads, and in no case shall the individual strands be less than:

- (a) 0.046 inch in diameter in the case of galvanized or copper-coated wire; or
- (b) 0.0438 inch in diameter in the case of stainless steel wire.

SECTION 32—FIRE ALARM SYSTEMS

32-000 Scope

(1) This Section applies to the installation of electrical local fire alarm systems and emergency voice communication systems in buildings required by any governmental or other authority having jurisdiction.

(2) The requirements of this Section are supplementary to, or amendatory of, the general requirements of this Code.

32-100 Conductors

(1) Conductors shall be of copper and shall have an ampacity adequate to carry the maximum current that can be provided by the circuit.

(2) Stranded conductors with more than 7 strands shall be bunch-tinned or terminated in compression connectors.

(3) Individual conductors shall be not less than No. 16 AWG where pulled into raceways, and not less than No. 19 AWG where laid in raceways, and shall be of a type suitable for the purpose as listed in Table 19 or of an approved type suitable for the purpose, having an allowable temperature rating of at least 60°C.

(4) Conductors in a cable assembly of two or more conductors shall comply with Rule 16-210 (2) (c) and (d), and shall have an allowable temperature rating of at least 60°C.

32-200 Wiring Method

(1) All conductors of a fire alarm system and emergency voice communication system shall be:

- (a) Installed in metallic raceway of the totally enclosed type;
- (b) Incorporated in a cable, having a metallic armour or sheath, of a type listed in Table 19, or approved for the purpose; or

(c) Type TEW, providing:

- (i) The conductors are enclosed in a metal raceway;
- (ii) The systems are electrically supervised;
- (iii) The systems operate at not more than 30 volts;
- (iv) All raceway fills shall be the same as for Types TF and TFF; and
- (v) The run shall not contain more than the equivalent of a 4 quarter bends, including the bends located at an outlet or fitting.

(2) Notwithstanding Subrule (1), conductors installed in buildings of combustible construction in accordance with Rules 12-606 to 12-624, shall be permitted to be incorporated in:

- (a) Non-metallic sheathed cables of a type listed in Table 19;
- (b) An approved Class 2 cable for circuits, in compliance with Rule 16-200 (1); or
- (c) A cable specifically approved for fire protective signalling use.

(3) The conductors shall be installed so as to be entirely independent of all other wiring and shall not enter a fixture, raceway, box, or enclosure occupied by other wiring, except as may be necessary for connection to:

- (a) The point of supply;
- (b) A signal or emergency voice communication system;

- (c) An ancillary device; or
- (d) A communication circuit.

(4) All wiring of a communication system connected to a fire alarm system to extend the fire alarm system beyond the building, shall conform to the applicable Rules of Section 60.

(5) All conductors contained in the same raceway or cable shall be insulated for the highest voltage in the raceway or cable.

(6) Notwithstanding Subrule (3), conductors of a communication system intended for life safety use and used in conjunction with the fire alarm system, may be installed in the same raceway, fixture, box or enclosure as the fire alarm system conductors.

32-300 Electrical Supervision. Wiring to dual terminals and dual splice leads shall be independently terminated to each terminal or splice lead.

32-400 Current Supply

(1) Fire alarm signal systems and emergency voice communication systems shall be supplied from separate circuits connected on the load side of the main service disconnect after any transformation and used solely for the supply of energy to the systems.

(2) Overcurrent devices and disconnecting means in the supply circuits of a fire alarm signal system and voice communication system shall be contained, except by special permission, in a separate enclosure or compartment to which no other circuits are connected, and shall be clearly identified in a permanent, conspicuous, and legible manner by the words "Fire Alarm System", and the enclosure or compartment shall be coloured red.

32-500 Installation of Smoke Alarm Devices in Dwelling Units. The following requirements apply to the installation of smoke alarms in dwelling units:

- (a) Except where prohibited by Rule 26-704, smoke alarm devices shall be permitted to be installed in any lighting and receptacle branch circuit in a dwelling unit;
- (b) There shall be no disconnecting means between the smoke alarm device and the overcurrent device for the branch circuit;
- (c) The wiring method for the smoke alarm device, including any interconnection of units and their associated equipment, shall be in accordance with Rules 32-100 and 32-200;
- (d) Notwithstanding Paragraph (c), where a smoke alarm circuit utilizes a Class 2 power supply for the interconnection of the smoke alarms and their associated equipment, an approved Class 2 wiring method shall be permitted in buildings of combustible construction, provided that the

conductors are installed in accordance with Rules 12-606 to 12-624 inclusive.

SECTION 34—SIGNS AND OUTLINE LIGHTING

34-000 Scope

(1) This Section applies to signs and outline lighting wherein the sources of light are:

- (a) Incandescent lamps;
- (b) Fluorescent lamps;
- (c) High-voltage luminous discharge tubes, including neon tubes; and
- (d) High-intensity discharge lamps.

(2) The requirements of this Section are supplementary to or amendatory of the general requirements of this Code.

(3) The word "sign" when used throughout this Section includes those of the through-wall type.

General Requirements

34-010 Construction. Signs and outline lighting equipment manufactured wholly or in part in the field shall conform in construction to the requirements of CSA Standard C22.2 No. 2-1956, Electric Signs.

34-012 Disconnecting Means. Each outline lighting installation, and each sign other than the portable type, shall be provided with an externally operable disconnecting means which shall:

- (a) Open all ungrounded conductors;
- (b) Be suitable for conditions of installation such as exposure to weather;
- (c) Be within sight of the sign or outline lighting it disconnects, or elsewhere if capable of being locked in the open position; and
- (d) Be located external to enclosures containing high-voltage luminous discharge tubes and other high-voltage components.

34-014 Rating of Disconnecting Means and Control Devices. Switches, flashers and similar devices controlling transformers and ballasts shall be either of a type approved for the purpose, or have a current rating not less than twice the current rating of the transformer or ballasts.

34-016 Thermal Protection. Ballasts of the thermally-protected type shall be required for all signs and outline lighting which employ fluorescent lamps except where the ballasts are of the simple reactance type.

34-018 Branch Circuit Capacity. Circuits shall be arranged so that the load imposed by lamps and transformers shall not exceed 80 per cent of the branch circuit overcurrent protection.

34-020 Location. Signs and outline lighting shall be located so that:

- (a) Any person working thereon is not likely to come into contact with overhead conductors;
- (b) No part of the sign or its support will interfere with normal work operations performed on electrical and communication utility lines;
- (c) No part of the sign or its support is in such proximity to overhead conductors as to constitute a hazard; and
- (d) Except as provided for in Subrule (2), no part of the sign, other than its support, is less than 2.2 metres above grade.

(2) Notwithstanding Subrule (1) (d) free standing signs may be mounted with electrical components less than 2.2 metres above grade if mechanical protection is provided to prevent persons or vehicles from coming into contact with the electrical components of the sign.

34-022 Supporting Means

(1) Poles, masts, standards or devices designed as supports that are for use as electrical raceways, shall be approved for the purpose.

(2) The devices referred to in Subrule (1) when used for mechanical support only, shall be acceptable to the inspection department.

34-024 Grounding. All conductive non-current-carrying parts of a sign or outline lighting installation shall be grounded in accordance with the requirements of Section 10, except for conductive parts of letters attached to the building and illuminated from the rear.

34-026 Protection of Sign Leads. Where sign leads pass through the walls or partitions of the sign structure, they shall be protected by incombustible absorption-resisting bushings.

34-028 Installation of Conductors. Conductors for signs and outline lighting shall be installed in accordance with the requirements of Section 12.

34-030 Fuseholders and Flashers. Fuseholders, flashers, etc., shall be enclosed in metal, and shall be accessible without the necessity of removing obstructions or otherwise dismantling the sign.

High-Voltage Luminous-Discharge-Tube Signs and Outline Lighting

34-200 Enclosures

(1) Enclosures for transformers, switches, timers, relays, sequencing units and other similar devices shall be of metal or of heat and moisture-resistant non-combustible material.

(2) The enclosure in Subrule (1) shall be constructed to prevent the emission of flames or any burning or ignited material.

(3) Openings for ventilation shall be arranged to comply with the requirements of Subrule (2) and shall be at least 100 millimetres from live parts.

(4) Metal enclosures shall be not less than No. 22 MSG.

(5) At the point where it is intended that the supply connections be made, the enclosure shall be of not less than No. 16 MSG.

(6) Each enclosure housing a transformer shall be marked in accordance with the requirements of Section 2.

34-202 Protection of Uninsulated Parts. Doors or covers accessible to the general public and which give access to uninsulated parts of indoor signs or outline lighting, shall be either provided with interlock switches which on the opening of the doors or covers disconnect the primary circuit, or shall be fastened so that the use of other than ordinary tools will be necessary to open them.

34-204 Transformer Voltage

(1) The rated secondary open circuit voltage of transformers shall not exceed 15,000 volts.

(2) In end-grounded transformers, rated secondary open circuit voltage shall not exceed 7,500 volts.

34-206 Open Core-and-Coil Type Transformers. Open core-and-coil type transformers shall only be used indoors.

34-208 Transformers Used Outdoors. Transformers used outdoors shall be of the weatherproof type or shall be enclosed in the sign body or in a separate weatherproof box.

34-210 Transformer Installation

(1) Transformers shall be installed in such locations that they are accessible and capable of being removed and replaced.

(2) Transformers shall be supported by attachment to the enclosure in which they are housed by at least two studs or bolts.

34-212 Transformer Overcurrent Protection

(1) Each transformer shall be protected by an overcurrent device except that two or more transformers may be protected by one overcurrent device if their combined load does not exceed 12 amperes.

(2) Where additional overcurrent devices for the individual protection of transformers in signs are used, they shall be placed either inside or outside the sign structure.

(3) Where exposed to the weather, overcurrent devices protecting transformers shall be of the weather-proof type.

34-214 Transformer Secondary Connection

(1) The high-voltage windings of transformers shall not be connected in parallel.

(2) The high-voltage windings of transformers shall not be connected in series, except that two transformers may have one end of each of their high-voltage windings grounded and connected in series to form the equivalent of a midpoint-grounded transformer, provided that the grounded ends of the high-voltage windings are connected by an insulated copper conductor not smaller than No. 14 AWG.

34-216 High-Voltage Wiring Methods

(1) High-voltage conductors shall be installed in:

- (a) Transformer enclosures;
- (b) Sign enclosures;
- (c) Flexible metallic conduit;
- (d) Rigid conduit; or
- (e) Other types of raceways acceptable to the electrical inspection department, except for surface raceways.

(2) High-voltage conductors may be run from the ends of gas tubes to the grounded midpoint of transformers which have terminals at the midpoint.

(3) The connections between the high-voltage terminals of the transformers of the midpoint-grounded type and the line ends of gas tubes shall be as short as possible.

(4) There shall be no sharp bends in high-voltage conductors.

(5) All high-voltage conductors installed inside grounded metal sign enclosures shall be:

- (a) Insulated; and
- (b) Type GTO, GOL or approved equivalent type and not smaller than No. 14 AWG.

34-218 High-Voltage Conductors in Show Windows and Similar Locations. Notwithstanding Rule 34-216, if high-voltage conductors used with signs, hang freely in the air and are not enclosed in raceways, as in show windows and similar locations, they shall be:

- (a) Located away from the combustible material;
- (b) Located so as to be free from mechanical injury; and
- (c) Enclosed in noncombustible insulating sleeving.

34-220 Length of Cable from Transformers. No cable from a transformer to other parts of the sign shall be longer than 6 metres.

34-222 Connections of High-Voltage Conductors

(1) Connections of high-voltage conductors to neon tubing outside the building or structure shall be made by means of:

- (a) An approved electrode receptacle;
- (b) A direct connection to the neon tubing outside the building or structure wall providing that not more than 100 millimetres of high-voltage wiring extends beyond the end of the raceway; or
- (c) Any other approved method.

(2) Under Subrule (1) (b), the portion of the high-voltage wiring beyond the raceway shall be enclosed in an acceptable insulating sleeve from a point 50 millimetres within the raceway up to and including the connection to the neon tubing and shall be retained in place.

(3) The connection in Subrule (1) (b) shall be electrically secure and provided with acceptable wrapping of insulating tape.

SECTION 36—HIGH-VOLTAGE INSTALLATIONS

General

36-000 Scope

(1) This Section applies to installations operating at voltages in excess of 750 volts.

(2) The supply authority and the inspection department must be consulted before proceeding with any such installation.

(3) This Section is additional to the requirements of this Code for installations at potentials of 750 volts or less.

(4) This Section does not affect construction details of factory fabricated assemblies approved under Part II of this Code.

36-002 Special Terminology. In this Section the following definitions apply:

- (a) “**Station**” means an assemblage of equipment at one place, including any necessary housing, for the conversion or transformation of electrical energy and for connection between two or more circuits;
- (b) “**Maximum ground fault current**” means the magnitude of the greatest fault current that may flow between the grounding grid and the surrounding earth during the life of the installation;

- (c) **“Potential rise of ground grid”** means the product of the ground grid resistance and the maximum ground fault current that flows between the station ground grid and the remote earth;
- (d) **“Touch voltage”** means the voltage difference between a grounded metallic structure and a point on the earth’s surface separated by a distance equal to normal maximum horizontal reach;
- (e) **“Step voltage”** means the voltage difference between two points on the earth’s surface separated by a distance of one pace, assumed to be 1 metre, in the direction of maximum voltage gradient;
- (f) **“Ground grid conductor”** means the horizontally buried conductor used for interconnecting ground rods or similar equipment which form the station ground electrode;
- (g) **“Boundary fence”** means a fence forming the boundary of a property or area, but not part of a station fence enclosure.

36-004 Guarding. Live parts of electrical equipment shall be accessible to authorized persons only.

36-006 Warning Notices

(1) A permanent legible warning notice carrying the wording **“DANGER — HIGH VOLTAGE”** or **“DANGER..... VOLTS”** shall be placed in a conspicuous position:

- (a) At electrical equipment vaults, electrical equipment rooms, areas or enclosures; and
- (b) On all high-voltage conduits and cables at points of access to conductors.

(2) Permanent legible signs shall be installed at isolating equipment warning against operating it while carrying current, unless the equipment is interlocked so that it cannot be operated under load.

(3) Suitable warning signs shall be erected in a conspicuous place adjacent to fuses, warning operators not to replace fuses while the supply circuit is energized.

(4) In addition to the provisions of Subrules (1), (2) and (3), metal enclosed switchgear and equipment shall bear the following external markings:

- (a) With each installation of a metal-enclosed assembly, there shall be provided a permanently legible diagram giving the following information:
 - (i) A block outline defining each cubicle or cell, all to a minimum scale of 1 to 10 but the drawing containing the block outline shall not be smaller than approximately 450 by 550 millimetres;

- (ii) A single line diagram overlaid on the block outline indicating the physical, where possible, and electrical location of the high voltage components in the power circuit;

- (iii) All possible sources of voltage to the installation under normal or emergency conditions and the locations of devices for isolating such power supplies; and

- (iv) Interlocks and their functions;

- (b) Each complete cell or cubicle on the diagram shall be suitably identified and cross referenced to its counterpart in the metal-enclosed assembly which shall bear the identifying mark both front and rear applied to non-removable portions of the unit and if the marking will be obscured by a removable coverplate the marking shall be repeated on the coverplate;

- (c) The diagram shall be mounted conspicuously on or adjacent to the metal-enclosed assembly and shall be protected from damage by being framed under glass or by some other suitable means;

- (d) On all cells in which the supply is from a source external to the assembly, there shall be installed on panels which when opened make high voltage components accessible, conspicuous warning signs having the following wording:

- (i) Where a panel gives access to parts which cannot be de-energized and visibly isolated except by the Supply Authority: **“WARNING—HIGH VOLTAGE—DO NOT REMOVE UNLESS PERMITTED BY SUPPLY AUTHORITY”** or **“COMPARTMENT FOR SUPPLY AUTHORITY USE ONLY”**, or

- (ii) Where a panel gives access to parts which can be de-energized and visibly isolated by the owner: **“WARNING—HIGH VOLTAGE—DO NOT ENTER THIS COMPARTMENT UNLESS VISIBLY ISOLATED BY DISCONNECTING DEVICE (.....)”** (the designation or location of disconnect device to be inserted in blank space); and

- (e) Notwithstanding Paragraph (d), where the equipment consists solely of a single cubicle or metal-enclosed unit substation containing only one set of high voltage switching devices, diagrams are not required but conspicuous warning signs shall be installed on panels which when opened make high voltage components accessible:

- (i) As in (d) (i) where the supply can be disconnected only by a Supply Authority; or
- (ii) As in (d) (ii) where the owner is in control of the supply into the equipment.

Wiring Methods

36-100 Service or Other Conductors

(1) Bare conductors may be used only:

- (a) Outdoors;
- (b) In central stations;
- (c) In sub-stations;
- (d) In motor and generator rooms; and
- (e) In transformer and electrical equipment vaults constructed in accordance with Rules 26-350 to 26-356.

(2) Bare conductors, and insulated conductors unless enclosed in grounded metal, shall not be run on, or terminate on, building walls except as permitted in paragraphs (b) to (e) of Subrule (1).

(3) Insulated conductors used indoors in other than sub-stations or transformer and electrical equipment vaults in accordance with Rules 26-350 to 26-356 shall only be installed in conduit or otherwise protected in an acceptable manner.

(4) For the purpose of Subrule (3), insulated conductors in conduit or cables shall not be considered as being indoors provided that:

- (a) The conduit or cable is encased or embedded in at least 50 millimetres of masonry or poured concrete or is installed in the ground under a concrete floor slab not less than 50 millimetres thick; and
- (b) The location of the conduit or cable is indicated by acceptable permanent markers set in the walls, floor or ceiling.

(5) Insulated wires or cables shall be sheathed in metal or other acceptable moisture-resistant covering if in other than dry locations.

(6) Conductors enclosed in armour of magnetic material shall be installed in accordance with Rule 12-1004.

(7) Where insulated conductors are not enclosed and are spaced at less than minimum clearances for bare conductors, and are subject to arcs or heat caused by short circuits in nearby conductors, the insulation shall be flame-retarding or have a flame-retarding outer covering.

(8) Where the coverings are of a conducting nature they shall be stripped back from the terminals sufficiently to prevent leakage of current.

(9) Service conductors shall have a mechanical strength not less than that of No. 6 AWG hard drawn copper.

36-102 Radii of Bends. The minimum bending radii measured at the innermost surface of the bend for permanent training of cables during installation shall be as shown in Table 15.

36-104 Shielding of Thermoset Insulated Conductors

(1) Except as permitted in Subrules (2), (3), and (4) shielding shall be provided over the thermoset insulation of each permanently installed conductor with or without fibrous covering or non-metallic jacket, operating at circuit voltages above 2,000 volts phase-to-phase.

(2) Shielding need not be provided for conductors having thermoset insulation where they are directly buried in the soil and operating at circuit voltages not exceeding 3,000 volts phase-to-phase, provided that the insulation or the non-metallic jacket, if provided, is of ozone and discharge-resistant type.

(3) Shielding need not be provided for conductors having thermoset insulation where the circuit voltage does not exceed 5,000 volts phase-to-phase, where the conductors are installed on insulators or in metallic raceways and bound together, in switch rooms, transformer vaults, metal-enclosed switchgear assemblies, and similar permanently dry locations where the conductor run does not exceed 15 metres.

(4) Shielding need not be provided for conductors having thermoset insulations which are:

- (a) Intended for operation at not more than 5,000 volts phase-to-phase;
- (b) Intended and installed for permanent duty; and
- (c) Provided in either single- or multi-conductor cable construction with:
 - (i) A metallic sheath; or
 - (ii) Metallic armour of the interlocking type, the wire type or the flat tape type.

(5) Subject to Rule 10-302, metallic sheaths, metallic shielding, metal armour, metal conduit and metal fittings shall be bonded together and grounded.

36-106 Supporting of Bare Conductors. Bare conductors shall be mounted on suitable insulating supports capable of withstanding the short circuit stresses liable to be imposed by the supply system.

36-108 Spacing of Bare Conductors

(1) Bare conductors, and insulated conductors unless enclosed in or in contact with grounded metal, other than those within or at the point of connection to apparatus or devices shall be spaced to provide a clearance under all operating conditions in accordance with Tables 30 and 31 between:

- (a) Live parts of opposite polarity; and
- (b) Live parts and all other structural parts other than the conductor supports.

(2) Where the conductors mentioned in Subrule (1) are connected to apparatus or devices having terminal spacings less than those shown in Tables 30 and 31, the conductors shall be spread out so as to attain the required spacings at the first point of support beyond such terminals.

36-110 Guarding of Live Parts

(1) Bare conductors, insulated conductors unless enclosed in or in contact with grounded metal, and other bare live parts shall be:

- (a) Accessible only to authorized persons; and
- (b) Isolated by elevation or by acceptable barriers.

(2) Where the conductors or live parts mentioned in Subrule (1) are isolated by elevation, the elevations and clearances maintained shall be as specified in Tables 32, 33, and 34 except that:

- (a) For conductors crossing railways and communication lines, installation shall be in accordance with the requirements of CSA Standard C22.3 No. 1-M1979, Overhead Systems and Underground Systems, or of the appropriate authority whichever is greater; and
- (b) For overhead conductors crossing highways and other locations, installation shall be in accordance with the requirements of CSA Standard C22.3 No. 1-M1979, Overhead Systems and Underground Systems, or of the appropriate authority whichever is greater.

(3) For a given span, clearances specified in Tables 32 and 34 shall be increased by 1 per cent of the amount by which the span exceeds 50 metres.

36-112 Terminating Facilities. Suitable terminating facilities shall be provided to protect cables from harm due to moisture or mechanical damage.

36-114 Joints in Sheathed Conductors or Cables

(1) Splices or taps in sheathed conductors or cables shall have the conductor or cable covered with insulation and shall have shielding, when used, electrically and mechanically equivalent to that on the conductors or cables joined.

(2) For conductors or cables having a metallic or conducting sheath, provision shall be made for continuity of the sheath over the splice or tap unless the joint is made in a suitable splicing box which maintains the continuity of the grounding circuit.

36-116 Elevator Shafts

(1) High-voltage conductors shall not be installed in elevator shafts.

(2) The conductors may be installed in conduit embedded in the masonry walls of the hoistway but the conduit shall be surrounded throughout the entire length of its run by not less than 50 millimetres of masonry or concrete.

Control and Protective Equipment

36-200 Service Equipment Location. Service equipment shall be installed in a location satisfactory to the supply authority and the inspection department and, in the case of a building, shall be at the point of service entrance.

36-202 Rating and Capacity. Circuit breakers, fuses and switches shall be of types and ratings accept-

able to the inspection department and the supply authority.

36-204 Overcurrent Protection, Services. Each service shall be provided with overcurrent protection, complying with the following, in all ungrounded conductors:

- (a) If the protective equipment is installed outdoors, one of the following shall be used:
 - (i) Circuit breakers of adequate interrupting capacity and rating, with trip settings approved by the supply authority;
 - (ii) Fuses of adequate rating and interrupting capacity preceded by suitable group-operated visible break load-interrupting devices capable of making and interrupting their full load rating and which may be closed with safety to the operator with a fault on the system;
 - (iii) Fuses of adequate rating and interrupting capacity preceded by a group-operated visible break air-break switch capable of interrupting the magnetizing current of the transformer installation and which may be closed with safety to the operator with a fault on the system and so interlocked with the transformer secondary circuit breaker to prevent its operation under load;
- (b) If the protective equipment is installed indoors, one of the following shall be used:
 - (i) The protection outlined in paragraph (a) (i);
 - (ii) The protection outlined in Paragraph (a) (ii) by special permission and where satisfactory to the supply authority, provided that the load-interrupting devices and the fuses are separated and interlocked in accordance with Rule 36-208,
 - (iii) The protection outlined in Paragraph (a) (iii) by special permission and where satisfactory to the supply authority, provided that the fuses are separated and interlocked so that the operator cannot gain access to them unless the switch is open and the switch is interlocked in accordance with Rule 36-208.

36-206 Overcurrent Protection Other than Services

(1) Each operating unit of apparatus, other than transformers, the protection of which is specified in Section 26, each feeder and each branch circuit shall be protected by a circuit breaker of adequate rating and interrupting capacity except as otherwise provided for by this Rule.

(2) Fuses of adequate rating and interrupting capacity may be used for the protection of:

- (a) Individual feeders or branch circuits at the point where they receive their supply;
- (b) Motors as specified in Section 28; or
- (c) Apparatus of other types by special permission.

36-208 Interlocking of Fuse Compartments. Compartments containing fuses shall have the cover (or door) interlocked with the isolating or disconnecting means so that:

- (a) Access cannot be had to the fuses unless the isolating or disconnecting means immediately ahead of the fuses is in the de-energized position; and
- (b) The switch cannot be placed in the closed position until the fuse compartment has been closed.

36-210 Protection and Control of Instrument Transformers

- (1) Instrument potential transformers shall have overcurrent protection as required by Rule 26-258.
- (2) A suitable disconnecting means shall be provided on the supply side of fuses used for the protection of instrument potential transformers.

36-212 Outdoor Installations

- (1) High-voltage isolating switches not of the metal enclosed type which are assembled in the field shall be spaced according to Table 35.
- (2) Horn-gap switches shall be mounted in a horizontal position and be capable of being locked in the open position.
- (3) High-voltage fuses shall be spaced according to Table 35.

36-214 Disconnecting Means

- (1) Where conductors fed directly by an outdoor station enter a building, either:
 - (a) A load-breaking device shall be installed indoors at the entry of the conductors to the building; or
 - (b) A load-breaking device at the outdoor service shall be capable of being tripped or operated from within the building.
- (2) Unless of the draw-out type each circuit breaker and each load-break switch having contacts which are not visible for inspection in both the open and closed positions shall be provided with a group-operated isolating switch on the supply side which shall:
 - (a) Be provided with the means for adequate visible inspection of all contacts in both the open and closed position;
 - (b) Be interlocked so that it cannot be operated under load; and
 - (c) Be provided with positive position indicators.
- (3) Group operated isolating switches complying with Subrule (2) shall be provided where required to prevent the possibility of feedback.

Grounding

36-300 Material and Minimum Size of Grounding Conductor and Ground Grid Conductor and Connections

- (1) Except as provided for in Subrule (2) bare copper conductors shall be used for grounding purposes and shall be not smaller than those specified in Rules 36-302 to 36-310 and Table 51.
- (2) Notwithstanding the requirement of Subrule (1) galvanized steel, copper-weld or other metallic conductor may be permitted for grounding purposes providing:
 - (a) Its current-carrying rating is equal to or greater than that of the copper conductor specified in Rules 36-302 to 36-310;
 - (b) Consideration is given to galvanic action if such conductors are buried in the ground or come in contact with dissimilar metals;
 - (c) The method of bolting or bonding such conductors to each other and to other surfaces is such as to maintain the required current-carrying capacity for the life of the electrode design; and
 - (d) The necessary supporting data is supplied to the inspection department approving the suitability of the conductor material.

36-302 Station Ground Electrode

- (1) Every outdoor station shall be grounded by means of a station ground electrode consisting of the following:
 - (a) A minimum of four driven ground rods not less than 3 metres long and $\frac{3}{4}$ inch in diameter, spaced at least the rod length apart and where practicable installed adjacent to the equipment to be grounded notwithstanding the number of rods to be determined by the requirements of Rule 36-304;
 - (b) The ground rods shall be interconnected by means of ground grid conductors forming a loop which shall be connected to all non-current-carrying metallic parts of equipment and structures and be not less than No. 2/0 AWG bare copper buried horizontally to a maximum depth of 600 millimetres below the rough station grade and a minimum depth of 150 millimetres below the finished grade; and
 - (c) A buried ground electrode other than Paragraph (a) may be used where it is acceptable to the inspection department.
- (2) Where an outdoor station is grounded by means of a remote ground electrode:

- (a) Two grounding conductors of a minimum of No. 2/0 AWG copper shall connect the ground electrode to the station equipment in such a way that should one grounding conductor or ground electrode be damaged, no single metallic structure or equipment frame may become isolated; and
 - (b) In locations with system short circuit currents exceeding 30,000 amperes, the grounding conductor wire size shall be increased and shall be such that it will not suffer thermal damage or be a fire hazard under the severest fault conditions occurring on the system thus grounded in accordance with Rule 36-300.
- (3) Every indoor station shall be grounded by means of a station ground electrode:
- (a) As described in Subrule (1); or
 - (b) If it is not reasonably possible to provide such a ground electrode or to establish an individual remote ground and the indoor station receives its supply from a main station on the same property, grounding conductors inside the station shall be connected to the main station ground electrode with a minimum of two No. 2/0 AWG conductors in accordance with Rule 36-304 and precautions shall be taken to protect personnel and equipment against elevated ground voltage.
- (4) All parts of the indoor station which are required to be grounded shall be connected together by copper conductors of not less than No. 2/0 AWG.

36-304 Station Ground Resistance

(1) The maximum permissible resistance of the station ground electrode shall be determined by the maximum fault current in the station, and the ground resistance shall be such that under all soil conditions the maximum fault current conditions shall limit the potential rise of the station ground grid to 5,000 volts, whereas in special circumstances where this level cannot be reasonably achieved, a higher voltage up to the maximum insulation level of the communication equipment may be accepted by special permission.

(2) In addition to the requirements of Subrule (1) the touch and step voltage within the station grounding electrode area shall not exceed tolerable values as specified in Table 52.

(3) The resistance of the station ground electrode at each station shall be measured after completion of construction and changes shall be made if necessary to ensure that the maximum permissible resistance of Subrule (1) is not exceeded.

36-306 Connections to the Station Ground Electrode

(1) All non-current carrying metallic equipment and structures forming part of the station shall be

grounded to the station ground electrode to prevent the build-up of dangerous potential differences between the equipment or structures and the nearby earth.

(2) All metallic items forming part of the station shall be connected to the station ground electrode as follows:

(a) Metallic structures:

(i) Single columns or pedestal type (pipe, etc.) structures shall be grounded by a grounding conductor not less than No. 2/0 AWG copper; and

(ii) Large multi-bay structures consisting of several supporting columns with inter-connecting beams shall be grounded at each column by a grounding conductor not less than No. 2/0 AWG copper;

(b) Tanks or frames of apparatus mounted on metallic structures do not need a separate connection to the station ground provided that:

(i) The metal frame or tank of the apparatus is bolted to the structure such that an adequate electrical connection is established;

(ii) The conductivity of the structure between the apparatus and the ground connection to the structure is of a current-carrying capacity not less than No. 2/0 AWG copper; and

(iii) It is acceptable to the inspection department;

(c) Apparatus mounted on non-metallic structures (e.g., wood pole, concrete, etc.):

(i) Tanks or frames of transformers, generators, motors, circuit breakers, reclosers, instrument transformers, switchgear, and other equipment shall be grounded by grounding conductors of not less than No. 2/0 AWG copper.

(ii) Metal bases of all gang-operated switches shall be grounded by a grounding conductor of not less than No. 2/0 AWG copper (for switch handles see Rule 36-308);

(iii) The grounding of metal bases single-pole fuse cutouts and isolating switches is optional, based on being acceptable to the inspection department;

(d) Lighting arresters:

(i) The lightning arresters shall be connected to the station ground electrode by a conductor of not less than No. 2/0 AWG copper;

- (ii) Lightning arrester grounding conductors shall be as short, straight and direct as practicable;
- (iii) Where lightning arresters are for the protection of high-voltage cable and cable sheath, the lightning arrester grounding conductor shall be connected to metal potheads and/or metal sheath or armour or shielding of all cables;
- (e) A metallic water main inside or adjacent to the station ground electrode area, shall be grounded by at least one copper conductor of not less than No. 2/0 AWG copper, at intervals not exceeding 12 metres;
- (f) The non-current-carrying parts of metallic equipment such as:
 - (i) Cable sheaths, cable armour, shield, ground wires, potheads, raceways, pipe work, screen guards and switchboards by copper conductor of not less than No. 4 AWG;
 - (ii) Meter, instrument and relay cases, when mounted on insulated panels, by a copper conductor of not less than No. 10 AWG;
 - (iii) The metal frame and all exposed metal work on buildings within or forming part of the station shall be:
 - (A) Grounded to the station ground electrode by a minimum of No. 2/0 AWG copper in at least two places and at intervals not exceeding 12 metres along the building perimeter;
 - (B) Where a building forms part of the fence or is located outside the fence but is electrically connected to the station ground electrode area by means of cables, conduits, or other metallic means, a loop of No. 2/0 AWG copper shall be installed around and at a distance of at least 1 metre from the building and it shall be connected to the metal work of the building at intervals not exceeding 12 metres along the perimeter; and
 - (C) The loop shall be buried horizontally to a maximum depth of 600 millimetres and it shall be connected to the station ground electrode at two points with a minimum No. 2/0 AWG copper and where practicable a layer of clean crushed stone 1 metre in width and 150 millimetres in depth

covering the area immediately outside the building and surrounding the whole building is recommended;

- (g) Steel rails of railway spur tracks entering an outdoor station ground electrode area by a copper conductor of not less than No. 2/0 AWG with the part of the spur track located outside the station ground electrode area isolated from the station ground electrode by insulating joints.

(3) A transmission line overload ground wire may be insulated from the station ground electrode or it may be grounded by a grounding conductor of not less than No. 2/0 AWG copper.

(4) A line neutral conductor on grounded neutral systems by a grounding conductor with not less than the equivalent current-carrying capacity of the neutral conductor.

(5) A transformer neutral on grounded neutral systems, by a copper grounding conductor not less than No. 2/0 AWG, which shall also be of sufficient size and capacity to carry the maximum ground fault current of the transformer in accordance with Table 51.

36-308 Gang-Operated Switch Handle Grounds

(1) The operating handle of all gang-operated switches not enclosed in metal housings shall be grounded in an acceptable manner by one of the following methods:

- (a) An approved, multi-revolution grounding device connected to the station ground electrode by a conductor having a current-carrying capacity of not less than No. 2/0 AWG copper; or
- (b) The operating shaft shall be grounded to the station ground electrode by a combination of extra flexible conductor, braid, and/or stranded conductor not less than No. 2/0 AWG copper.

(2) In addition to the requirements of Subrule (1) the touch voltage shall be maintained at a tolerable level as specified in Table 52 at the location where the operator is normally standing and shall be done in an acceptable manner as follows:

- (a) By the use of a metallic gradient control mat connected to the operating handle grounding conductor as required in Subrule (1) by two separate conductors each not less than No. 2/0 AWG copper; and
- (b) The gradient control mat shall:
 - (i) Be so positioned that the operator will not be required to step from the mat during the operation of the switch;

- (ii) Be placed on a minimum of 150 millimetres of crushed stone on the ground where it is visible at all times;
- (iii) Have dimensions approximately 1.2 metres by 1.8 metres.

36-310 Grounding of Wire Fence Enclosures of Outdoor Stations

(1) The fence shall be grounded by means of a conductor loop of not less than No. 2/0 AWG located outside the fence, and where practicable 600 millimetres from the fence line and buried to a depth of 150 to 200 millimetres below rough grade, on which a layer of clean crushed stone 1 metre in width and 150 millimetres in depth covering the area both inside and outside the fence shall be placed where necessary to maintain the touch voltage within the tolerable value as specified in Table 52.

(2) Ground rods shall be installed at intervals not exceeding 12 metres, and each ground rod shall be connected to the fence ground loop conductor by a conductor of not less than No. 2/0 AWG copper and the conductor loop shall be connected to the fence by a tap conductor at each corner post, gate post, and fence posts at intervals not exceeding 12 metres by a conductor of not less than No. 2/0 AWG copper.

(3) The tap conductor at each hinge gate post shall be clamped or bonded to the gate frame by a copper braid or a flexible copper conductor of at least No. 2/0 AWG.

(4) The tap conductor shall be connected to the fence post, the bottom tension wire, the fence fabric for which the conductor may be woven in at least two places, the top rail and each strand of barbed wire with the connection to the bottom tension wire, the fence fabric and barbed wire strands made with bolted or equivalent connectors, and with the top rail connections bonded at every joint by a jumper equivalent to No. 2/0 AWG copper.

(5) The fence ground loop:

(a) Shall be connected to the station ground electrode at not less than two places where the fence is located within 1.5 metres of the station equipment or ground grid conductors or when metallic pipes, sheathed cables or other conducting materials are present, or where it is necessary to lower the station ground electrode resistance to the required level;

(b) Need not be connected to the station ground electrode unless the conditions of Subrule (5) (a) are present.

(6) When the fence ground loop is connected to the station ground electrode (Subrule (5) (a)) and when the fence forms part of a metallic boundary fence, the boundary fence shall be isolated from the station fence

by a insulated fenced section of at least 2.4 metres in length.

SECTION 38—PASSENGER AND FREIGHT ELEVATORS INCLUDING DUMBWAITERS AND ESCALATORS

38-000 Scope. This Section applies to the installation of electrical equipment for passenger and freight elevators, including dumbwaiters and escalators, and is supplementary to or amendatory of the general requirements of this Code.

38-002 Voltage Limitations

(1) No part of any electric circuit having a circuit voltage in excess of 300 volts shall be used on any car or control circuit, except that higher voltages may be used for frequencies of 25 through 60 cycles alternating current or for direct current, provided that the current in the system cannot, under any conditions, exceed 8 milliamperes for alternating current or 30 milliamperes for direct current.

(2) Electric circuits in machine rooms or penthouses for the operation of motors and brakes shall have a potential not in excess of 750 volts, provided that if it exceeds 300 volts, all control and signal circuits shall be insulated from the power circuits.

(3) Electric circuits fed from motor generators, rectifiers or control transformers shall be grounded as required in Section 10.

38-004 Isolation of Live Parts. All live parts of electrical apparatus in hoistways, at the landings or in or on the cars of elevators and dumbwaiters, or in the wellways or at the landings of escalators shall be enclosed to protect against accidental contact.

38-006 Insulation of Conductors

(1) Conductors from the control panel to the main circuit resistors not located within the control panel shall be of a type suitable for use in raceways as indicated in Table 19 and shall be suitable for operation at a temperature of not less than 90°C having a rating not less than 600 volts, and be flame-retardant.

(2) Except for conductors in travelling cables, the insulation of all conductors in hoistways, in or on cars of elevators and dumbwaiters, in wellways of escalators and moving walks and in machine rooms of elevator dumbwaiters, escalators and moving walks, shall be flame-retardant and suitable for use in damp locations as indicated in Tables 11 and 19.

(3) The voltage rating of insulation of all conductors shall be suitable for the voltage to which the conductors are subjected.

38-008 Travelling Cables. Travelling cables used as flexible connections between elevator or dumbwaiter cars and their hoistways shall be elevator cable, suitable for use in dry locations only or damp or dry locations, as applicable, as indicated in Table 11.

38-010 Conductor Sizes

(1) In travelling cables the minimum size conductors shall be:

(a) For lighting circuits, No. 14 AWG copper or No. 12 AWG aluminum except that smaller conductors may be used in parallel provided that the ampacity is equivalent to at least that of No. 14 AWG copper; and

(b) For all operating, control, and signal circuits, No. 20 AWG copper.

(2) Except as specified in Subrule (1), the minimum size of conductors for operating, control and signal circuits shall be No. 24 AWG copper.

(3) The size of branch circuit conductors supplying individual elevator motors shall be determined in accordance with Rule 28-106 and Table 27, except that for long runs, the cross-sectional area shall be such that the voltage drop at rated current does not exceed 3 per cent of no-load voltage at the motor terminals.

38-012 Branch Circuits for Lighting. In passenger elevators, a separate lighting branch circuit shall be provided for each car, and the overcurrent device protecting this branch circuit shall be located in the elevator machine room.

38-014 Wiring Methods in Hoistways, Machine Rooms and Escalator Wellways

(1) Conductors located in hoistways, machine rooms, and escalator wellways, except travelling cables, shall be installed in rigid metal conduit, electrical metallic tubing, or metallic wireways, except that flexible metal conduit or armoured cable not exceeding 1.5 metres in length may be used between riser and limit switches, interlocks, push-buttons, and similar devices.

(2) Except by special permission, only conductors used in connection with operation of the elevator or dumbwaiter supply or feeder conductors, including wiring for signals, hoistway-fire detection, communication with the car and for lighting and ventilating the car shall be permitted to be installed inside a hoistway.

(3) Mineral-insulated cable or aluminum-sheathed cable may be used if located so that there is no liability of damage to the sheath.

(4) Notwithstanding Subrule (1), liquid-tight flexible conduit and Type TECK 90 armoured cable with a protective covering shall be permitted in hoistways which are subject to wet or corrosive conditions.

38-016 Wiring Methods on Cars

(1) Conductors and travelling cables on elevators and dumbwaiter cars shall be run in rigid conduit, electrical metallic tubing or wireways, except that:

(a) Short runs of flexible conduit or armoured cable may be used where they are securely fastened in place and not exposed to oil or grease;

(b) Flexible cord listed in Table 11 as suitable for hard usage may be used between fixed wiring on the car and switching or sensing devices on the car door or gate, provided it is securely fastened and so located as to not be subject to mechanical injury;

(c) Mineral-insulated cable or aluminum-sheathed cable may be used if located so that there is no liability of damage to the sheath.

(2) Where conductors may be in contact with oil or grease, they shall have oil-resistant insulation.

(3) Where cord permitted in Subrule (1) contains an identified conductor and/or a conductor showing green, or green yellow combination coloured insulation, such conductors may be used for control circuitry, provided that by painting, taping, or other suitable means, their colouring has been suitably altered wherever they are made accessible, or visible, through removal of the outer covering of the cord.

38-018 Wiring Methods Between Motors, Machine Brakes, Valves, Generators, and Control Panels

(1) Conductors of circuits between motors, machine brakes, valves, generators, and control panels may be run without additional protection, provided the conductors are:

(a) Not over 2 metres long;

(b) Bound together and supported at intervals not more than 1 metre; and

(c) Not located so as to be subject to mechanical damage or to temperatures in excess of their ratings.

(2) Where motor-generators are used with elevator motors and both are located adjacent to or underneath the control equipment and are provided with extra-length terminal leads, the leads may be connected directly to the controller or motor generator terminal studs, and the provisions of Rule 4-004 in respect of ampacity shall not apply, but no lead shall be longer than 2 metres.

38-020 Wiring Methods on Sidewalk Elevators. Where the top-terminal-landing opening is in the sidewalk or other area exterior to the building, the following special requirements apply:

(a) All electrical wiring shall be installed in rigid conduit or electrical metallic tubing except that:

(i) Lead-sheathed armoured cable, not exceeding 1.5 metres in length, may be used as permitted in Rule 38-014 (1); and

(ii) Mineral-insulated cable or aluminum-sheathed cable may be used if located so that there is no liability of damage to the sheath;

(b) All boxes and fittings in the hoistway shall be weatherproof;

(c) All electrical equipment in or on the car shall be weatherproof;

(d) Travelling cables, where used between the car and hoistway wiring shall be elevator cable, suitable for damp locations as indicated in Table 11.

- (e) Slack rope switches where required, lower normal-terminal and lower final-terminal hoistway limit switches, and pit stop switches, shall be located as far above the bottom of the pit as practicable.

38-022 Grouping of Conductors. Conductors of elevator operating, control, signal, telephone and lighting circuits may be run in the same raceway or travelling cable provided that all conductors are insulated for the maximum voltage found in the cable or raceway system.

38-024 Raceway Supports. Supports for raceways in hoistways or escalator wellways shall be securely fastened to the guide-rail, hoistway or wellway construction.

38-026 Fittings

(1) Where conduit or electrical metallic tubing is installed in the open, split fittings or clamp fittings may be used provided the conduit or tubing does not contain feeders.

(2) Where conductors leave raceways, the provisions of Rules 12-3002, 12-3006, and 12-3008 shall apply.

(3) No terminal fitting shall be installed less than 150 millimetres from the floor in machine rooms.

38-028 Suspension of Travelling Cables

(1) Where travelling cables exceed 30 metres in length, such cables shall be so supported that the weight is carried directly by the reinforcement strands of the cable assembly.

(2) Where travelling cables do not exceed 30 metres in length and are so constructed that the weight of the cable is not carried by the individual conductors, the cables may be suspended by suitable spools.

38-030 Hazardous Locations. In hazardous locations, travelling cables shall terminate in cabinets approved for the class and group of the location and shall enter such enclosures through heavy-duty rubber-bushed threaded connector bushings which have been designed for this use.

38-032 Mechanical Protection. Whenever the travelling cables in swinging may come in contact with projections or corners of the building construction in the hoistway, such as "I" beams, beams, ledges and the like, such irregular surfaces shall be made smooth by covering with heavy gauge sheet metal or by other acceptable means.

38-034 Disconnecting Means

(1) Disconnecting means shall be provided for the opening of all ungrounded conductors of:

- (a) The drive motor and its control circuits in each elevator, dumbwaiter, and escalator operating individually or as one of a group;
- (b) The signal dispatch and scheduling circuitry, common to a group of elevators, dumbwaiters, or escalators; and

- (c) Lighting branch circuits supplying elevator cars and hoistways and such circuits shall be controlled by disconnecting means, other than those required for paragraphs (a) and (b) above.

(2) Each disconnecting means shall be an externally-operated fusible switch, or a circuit breaker, equipped with means for locking it in the open position.

(3) Means shall be provided on the switch or circuit breaker to indicate the disconnected position.

(4) The disconnecting means shall be located in a group in the machine room at the lock-jamb side of the entrance door unless available wall space or other construction features make it impractical to do so.

(5) Where the location of a disconnecting means required by Subrule (1) (a) is such that it is out of sight from either the machine or motor-generator, a supplementary switch, which may be of the type without overcurrent devices, or circuit breaker shall be so installed as to be visible from the machine or motor-generator, and capable of disconnecting all ungrounded conductors supplying the motor and of preventing the motor from being started from any other location.

(6) Each disconnecting means shall be plainly marked to indicate the machine or circuit that it controls.

38-036 Overload Protection for Motors

(1) Each ac drive motor for an elevator, dumbwaiter, and escalator, and each ac drive motor of a motor-generator set supplying current to the machine-drive motor, shall be provided with overload protection in accordance with Rule 28-304.

(2) Overload devices shall be provided for each dc machine-drive motor where:

- (a) Motor-generator set provides power to two or more drive motors;
- (b) The capacity of the motor-generator set is such that the protection provided in accordance with Subrule (1) is inadequate; or
- (c) The drive motor of a variable-voltage machine is subject to overcurrent at reduced voltage during levelling.

(3) The overload devices required by Subrule (2) (c) may be omitted where a time-delay relay is provided in the levelling circuit for purposes of disconnecting the power supply at the motor-generator set within an interval which will prevent damage to motor windings.

38-038 Phase Protection of Motors. Elevators driven by poly-phase alternating current motors shall be provided with means to prevent the starting of the elevator motor when:

- (a) The phase rotation is in the wrong direction; or
- (b) There is a failure in any phase.

38-040 Overcurrent Protection of Operating, Control and Signal Circuits

(1) Overcurrent protection for operating and control circuits shall be provided in accordance with Section 14.

(2) Overcurrent protection for signal circuits shall be provided in accordance with Section 16.

38-042 Installation of Machines. Elevator, dumb-waiter or escalator machines, controllers, and auxiliary equipment shall be installed in a space which is secured against unauthorized access.

38-044 Installation of Control Panels

(1) There shall be a working space of not less than 600 millimetres, clear of live parts, behind each controller where the back panel of the control cabinet can be removed or opened, and not less than 750 millimetres of working space clear of live parts in front of each controller.

(2) There shall be a clear access of 460 millimetres width from the front to the rear of the controller and if there are any exposed current-carrying parts in this area, they shall be protected by barriers.

(3) Controllers shall be enclosed in cabinets with doors or removable sections and the working space prescribed in Subrule (1) shall apply when the doors are opened or any section is removed.

(4) Controllers may be mounted on, over, or against the machine provided that there is reasonable access to the controller.

(5) Auxiliary equipment may be placed in front or rear of the controller, provided that the installation of such equipment will not reduce the space requirements of Subrule (1).

(6) Enclosed escalator controllers may be installed with less working space than required in Subrule (1), provided the controller can be readily removed for maintenance purposes.

(7) No part of a controller shall extend more than 2 metres above the floor.

38-046 Bonding of Raceways. Raceways attached to cars shall be bonded to grounded metal parts of the car with which they come in contact.

38-048 Grounding of Equipment

(1) For electric elevators, dumbwaiters and escalators, the frames of all motors, machines, controllers and the metal enclosures for all electrical devices in or on the car or in the hoistway or wellway shall be grounded.

(2) For elevators or dumbwaiters other than electric, if any electrical conductors are attached to the car, the metal frame of the car shall be grounded if normally accessible to persons.

(3) All hand-operated metallic shifting ropes or cables shall be grounded.

38-050 Methods of Grounding

(1) Equipment mounted on members of a grounded structural metal frame of a building shall be deemed to be grounded.

(2) Metal car frames supported by metal hoisting cables attached to or running over sheaves or drums of elevator machines shall be deemed to be grounded when the machine is grounded in accordance with Section 10.

38-052 Power Rectifiers for Direct Current Elevators. Where dry plate rectifiers or other types of rectifiers which are incapable of absorbing electrical energy are used to transform alternating current to direct current for the operation of a direct current elevator motor or motors, means shall be provided to absorb a sufficient amount of the energy regenerated by the elevator motor or motors to prevent an elevator from attaining at any time under overhauling load conditions a speed of more than 125 per cent of its speed in the up direction with its rated load in the car.

38-054 Machine Rooms

(1) Permanent provision of adequate artificial light shall be made in machine rooms of power elevators.

(2) Illumination shall be not less than 100 lux at floor level.

(3) The machine room lighting switch shall be within easy reach of the entrance to the machine room.

(4) Where practical, the elevator service switch and the lighting switch shall be located on the lock-jamb side of the machine room entrance door, and both these switches shall be of the enclosed type.

(5) At least one duplex receptacle connected to a 15 amperes branch circuit supplying no other receptacles shall be installed in the machine room.

38-056 Hoistway Pit

(1) One or more permanent luminaires equipped with a guard of metal, safety glass or suitable plastic material shall be provided in all pits.

(2) The lighting luminaire(s) shall provide an illumination level of at least 50 lux at the pit floor.

(3) A light switch shall be provided and shall be located so as to be accessible from the pit access door.

(4) At least one duplex receptacle connected to a 15 amperes branch circuit supplying no other receptacles shall be installed in each pit.

38-058 Overspeed Protection

(1) Means shall be provided on the load side of each elevator disconnecting means to prevent the elevator, under overhauling load conditions, from attaining the governor-tripping speed, or a speed 25 per cent in excess of the elevator rated speed, whichever is the lesser.

(2) Motor generators driven by direct-current motors and converters, which can be driven at excessive speed from the direct current end, as by reversal of current or by decrease in load, shall be provided with speed-limiting devices, capable of

preventing the elevator from attaining a speed of more than 125 per cent of its rated speed.

SECTION 40—ELECTRIC CRANES AND HOISTS

40-000 Scope

(1) This Section covers such features of the installation of electrical equipment providing circuits for electric cranes, hoists, and monorails which are additional to or amendatory of the general requirements of this Code.

(2) This Section does not cover equipment and wiring of cranes, hoists, and monorails which are assembled and erected in the field and which shall comply with CSA Standard C22.2 No. 33-1959, Electric Cranes and Hoists.

40-002 Supply Conductors. The size of conductors supplying main contact conductors, or supplying the equipment directly where there are no main contact conductors, shall be not less than that required by Rules 28-106 or 28-108, as applicable, together with additional capacity for other than motor loads where such provision is necessary.

40-004 Conductor Protection

(1) Conductors supplying main contact conductors shall be in rigid conduit, electrical metallic tubing, armoured cable, mineral-insulated cable or aluminum-sheathed cable except as otherwise provided for in Rule 40-018.

(2) Conductors supplying the equipment directly shall comply with Subrule (1) unless a flexible connection is required in which case an acceptable armoured or unarmoured cable or flexible cord, with take-up devices where necessary to prevent damage to the cable or cord and to keep it clear of the operating floor, may be used.

40-006 Overcurrent Protection. Conductors supplying main contact conductors or supplying the equipment directly where there are no main contact conductors shall be provided with overcurrent protection in accordance with the requirements of Rule 28-208 for the motor load plus an allowance in accordance with Rule 14-104 for any other loads if the size of conductors has been increased to provide capacity for the other loads.

40-008 Disconnecting Means. Suitable means which will disconnect all ungrounded conductors of the circuit simultaneously shall be:

- (a) Provided within sight of the main contact conductors or within sight of the equipment if there are no main contact conductors; and
- (b) Accessible and operable from the ground or from the floor over which the equipment operates.

40-010 Main Contact Conductors

(1) Bare main contact conductors shall have an ampacity not less than that of the conductors supplying them and, if wire is used in no case shall they be smaller than:

- (a) No. 4 AWG copper or No. 2 AWG aluminum if the length of contact conductor is 18 metres or less;

- (b) No. 2 AWG copper or No. 1/0 AWG aluminum if the length of contact conductor is greater than 18 metres, unless the intermediate insulating supports are of a clamp type which is capable of providing some strain relief.

(2) Bare main contact conductors may be of hard drawn copper or aluminum wire or may be of steel or other suitable metal in the form of tees, angles, T-rails, or other rigid shapes.

(3) Approved enclosed contact systems may be used.

40-012 Spacing of Main Contact Conductors

(1) Bare main contact conductor wires shall be supported so that:

(a) They will be separated, centre-to-centre:

- (i) Not less than 150 millimetres for other than monorail hoists, if installed in a horizontal plane;
- (ii) Not less than 75 millimetres, for monorail hoists, if installed in a horizontal plane; or
- (iii) Not less than 200 millimetres, if installed in other than a horizontal plane; and

(b) The extreme limit of displacement will not bring them within less than 38 millimetres of the surface wired over.

(2) Rigid main contact conductors shall be supported so that there will be an air space of not less than 25 millimetres between conductors, between conductors and adjacent collectors, and between conductors and the surface wired over.

40-014 Supporting of Main Contact Conductors

(1) Bare main contact conductor wires shall be secured at each end to strain insulators, and shall be supported on insulating supports placed at intervals not exceeding 6 metres except that, where building conditions make the above impossible, the interval between insulating supports may be increased to a maximum of 12 metres if the separation between contact conductors is increased proportionately.

(2) Rigid main contact conductors shall be secured to insulating supports spaced at intervals of not more than 80 times the vertical dimension of the conductor, but in no case greater than 4.5 metres.

40-016 Joints in Rigid Contact Conductors. Joints in rigid main contact conductors shall be made so as to ensure proper ampacity without overheating.

40-018 Use of Track as a Conductor. Monorail, tramrail or crane runway tracks may be used as a main contact conductor or as a supply circuit conductor for one phase of a three-phase alternating-current system if:

- (a) The power for all phases is obtained from an isolating transformer;

- (b) The voltage does not exceed 300 volts;
- (c) The rail serving as a conductor is effectively grounded, preferably, at the transformer, with permissive additional grounding by the fittings used for the suspension or attachment at the rail to the building structure; and
- (d) Any joints in the rail meet the requirements of Rule 40-016.

40-020 Elevation or Guarding of Contract Conductors. Bare ungrounded contact conductors shall either be elevated to not less than 4.5 metres above ground or other working surface which is available to other than qualified persons, or be guarded so that the persons on the ground or other working surface cannot inadvertently make contact with the bare current-carrying parts.

40-022 Contact Conductors Not to Supply Other Equipment. Contact conductors shall not be used as feeders for any equipment other than that essential for the operation of the cranes, hoists or monorails which they supply.

40-024 Grounding

- (1) All exposed non-current-carrying metal parts shall be grounded.
- (2) Tracks shall be grounded as required by Rule 10-406 or 40-018.
- (3) The flexible supply connection permitted in Rule 40-004 (2) shall incorporate a grounding conductor.

SECTION 42—ELECTRIC WELDERS

General

42-000 General. The requirements of this Section apply to electric welder installations and are additional to or amendatory of the requirements of other Sections of this Code insofar as these installations are concerned.

42-002 Special Permission. Where, in the opinion of the inspection department, the additional requirements of this Section are not required, they may be waived by special permission.

42-004 Severe Duty Cycle. Where in the opinion of the inspection department, the duty cycle is such as to require it, welders shall be treated on an individual basis.

Transformer Arc Welders

42-006 Supply Conductors

(1) The supply conductors for an individual transformer arc welder shall have an ampacity of not less than the value obtained by multiplying the rated primary current of that welder in amperes by a factor of:

- (a) 1.00, 0.95, 0.89, 0.84, 0.78, 0.71, 0.63, 0.55 or 0.45 for welders having a duty cycle of 100, 90, 80, 70, 60, 50, 40, 30 and 20 per cent or less respectively; or
- (b) 0.75 for a welder having a time rating of 1 hour.

(2) The supply conductors for a group of transformer arc welders shall have an ampacity not less than the sum of the currents determined for each welder in the group in accordance with Subrule (1) multiplied by a demand factor of:

- (a) 100 per cent of the two largest calculated currents of the welders in the group; plus
- (b) 85 per cent of the third largest calculated current of the welders in the group; plus
- (c) 70 per cent of the fourth largest calculated current of the welders in the group; plus
- (d) 60 per cent of the calculated currents of all remaining welders in the group.

(3) At the discretion of the inspection department, percentage values lower than those given in Subrule (2) are permissible in cases where the work is such that a high operating duty cycle for individual welders is impossible.

42-008 Overcurrent Protection for Transformer Arc Welders

(1) Each transformer arc welder shall have overcurrent protection rated or set at not more than 200 per cent of the rated primary current of the welder, unless the overcurrent device protecting the supply conductors meets this requirement.

(2) Each ungrounded conductor shall have overcurrent protection rated or set at not more than 200 per cent of the allowable ampacity of the conductor as specified in Tables 1, 2, 3 or 4, except that the next higher rating or setting may be used where:

- (a) The nearest standard rating of the overcurrent device is less than the rating or setting otherwise required by this Rule; or
- (b) The rating or setting otherwise required by this Rule results in too frequent opening of the overcurrent device.

(3) The maximum rating or setting of overcurrent device protecting a feeder supplying a group of transformer arc welders shall not exceed a value calculated by determining the maximum rating or setting or overcurrent device permitted by Subrules (1) and (2) for the welder allowed the highest overcurrent protection and adding thereto the sum of ampacities as calculated by Rule 42-006(1) for all other welders in the group.

42-010 Disconnecting Means

(1) A disconnecting means shall be provided in the supply connection of each welder which is not equipped with a disconnecting means mounted as an integral part of the welder.

(2) The disconnecting means shall be a switch or circuit breakers and its rating shall be not less than necessary to accommodate overcurrent protection as specified under Rule 42-008.

Motor-Generator Arc Welders

42-012 Conductors, Protection and Control of M-G Arc Welders. The rules of Section 4, Conduc-

tors, and Section 28, Motors, shall apply to motor-generator arc welders except that:

(1) The motors may be marked in amperes only; and

(2) Where the controller is built-in as an integral part of the motor-generator set, the controller need not be separately marked provided the necessary data is on the motor nameplate.

(3) The supply conductors for an individual motor generator arc welder shall have an ampacity of not less than the value obtained by multiplying the rated primary current of that welder by a factor of:

(a) 1.00, 0.96, 0.91, 0.86, 0.81, 0.75, 0.69, 0.62 or 0.55 for welders having a duty cycle of 100, 90, 80, 70, 60, 50, 40, 30 and 20 per cent or less respectively; or

(b) 0.80 for a welder having a time rating of 1 hour.

(4) The supply conductors for a group of motor generator arc welders shall have an ampacity not less than the sum of the currents determined for each welder in the group in accordance with Subrule (3) multiplied by a demand factor of:

(a) 100 per cent of the two highest calculated currents of the welders in the group;

(b) 85 per cent of the third largest calculated current of the welders in the group;

(c) 70 per cent of the fourth largest calculated current of the welders in the group;

(d) 60 per cent of the calculated currents for all remaining welders in the group.

(5) At the discretion of the inspection department percentage values lower than those given in Subrule (4) are permissible in cases where the work is such that a high operating duty cycle for individual welders is impossible.

Resistance Welders

42-014 Definitions. In Rules 42-016 and 42-018 the following definitions apply:

(a) **Rated primary current** means the kilovolt-ampere rating of the welder as shown on the nameplate thereof multiplied by 1,000 and divided by the rated primary voltage shown on the nameplate of the welder;

(b) **Actual primary current** means the current drawn from the supply circuit during each welder operation at the particular heat tap and control setting used; and

(c) **Duty cycle** means the ratio of the time during which the welder is loaded to the total time required for one complete operation.

42-016 Supply Conductors for Resistance Welders. The ampacity of supply conductors shall be as follows:

(a) Where an individual seam resistance welder or an individual automatically-fed resistance welder is operated at different times at different values of primary current or duty cycle, the supply conductors shall have an ampacity of not less than 70 per cent of the rated primary current of the welder;

(b) Where an individual manually-operated non-automatic resistance welder is operated at different times at different values of primary current or duty cycle, the ampacity of the supply conductors shall be not less than 50 per cent of the rated primary current of the welder;

(c) Where an individual resistance welder operates at known and constant values of actual primary current and duty cycle, the supply conductors shall have an ampacity of not less than the value obtained by multiplying the actual primary current by a factor of 0.71, 0.63, 0.55, 0.50, 0.45, 0.39, 0.32, 0.27 or 0.22 for duty cycles of 50, 40, 30, 25, 20, 15, 10, 7.5 and 5 per cent or less respectively;

(d) Where there is a group of resistance welders, the supply conductors shall have an ampacity of not less than;

(i) The sum of the values obtained from paragraph (a), (b) or (c) for the largest welder in the group; and

(ii) 60 per cent of the values so obtained for all of the other welders in the group.

42-018 Overcurrent Protection for Resistance Welders

(1) Every resistance welder shall have overcurrent protection rated or set at not more than 300 per cent of the rated primary current of the welder unless the overcurrent device protecting the supply conductors gives equivalent protection.

(2) Every ungrounded conductor of a resistance welder shall have overcurrent protection rated or set at not more than 300 per cent of the allowable ampacity of the conductor as specified in Tables 1, 2, 3 or 4, except that the next higher rating or setting may be used where:

(a) The nearest standard rating of the overcurrent devices is less than the rating or setting required by this Rule; or

(b) The rating or setting required by this Rule results in too frequent opening of the overcurrent device.

(3) The maximum rating or setting of overcurrent device protecting a feeder supplying a group of resistance welders shall not exceed a value calculated by determining the maximum rating or setting of overcurrent device permitted by Subrules (1) and (2) for the welder allowed the highest overcurrent protection and adding thereto the sum of ampacities as calculated by Rule 42-016(a), (b) and (c) for all other welders in the group.

42-020 Control of Resistance Welders. Every resistance welder shall have installed in its supply circuit a switch or circuit breaker, rated at not less than the rating of the conductors as determined by Rule 42-016, whereby the welder and its control equipment can be isolated from the supply circuit.

42-022 Nameplate Data for Resistance Welders. Every resistance welder shall be provided with a nameplate giving the maker's name, primary voltage, frequency, rated kilovolt-amperes at 50 per cent duty cycle, maximum and minimum open-circuit secondary voltage, short-circuit secondary current at maximum secondary voltage, and the specified throat and gap setting.

SECTION 44—THEATRE INSTALLATION

Scope

44-000 Scope. This Section applies to electrical equipment and installations in buildings or parts of a building designed, intended, or used for dramatic, operatic, motion picture, or other shows, and it is supplementary to or amendatory of the general requirements of this Code.

44-002 Motion Picture Studios and Projectors. Motion picture studios and projectors shall comply with the requirements of Section 48.

44-004 Sound Reproduction. Sound reproducing equipment shall comply with the requirements of Section 66.

General

44-100 Travelling Shows. Electrical equipment used by a travelling theatrical company, circus, or other travelling show, whether or not the performance is held within a theatre, shall not be used for the initial performance of any "Stand" until a permit has been obtained from the inspection department.

44-102 Wiring Method

(1) Wiring shall be in rigid metal conduit, electrical metallic tubing, mineral-insulated cable, flexible conduit, armoured cable, lead-sheathed armoured cable or aluminum-sheathed cable except that:

- (a) Other wiring methods may be permitted for temporary work; and
- (b) Flexible cord or cable may be used where permitted by this Section.

(2) Surface raceways shall not be used on the stage side of the proscenium wall.

44-104 Number of Conductors in Raceways. For border or stage pocket circuits or for remote-control circuits:

- (a) The number of conductors run in rigid metal conduit or electrical metallic tubing shall not exceed that shown in Rule 12-1116; and
- (b) Conductors run in auxiliary gutters or metal wireways shall have a total cross-sectional

area not exceeding 20 per cent of the cross-sectional area of the gutter or wireway.

44-106 Aisle Lights in Moving-Picture Theatres. Circuits for aisle lights located under seats may supply 30 outlets provided that the size of lamp bulb which can be used with each outlet is limited by barriers or the equivalent to 25 watts or less.

Fixed Stage Switchboards

44-200 Stage Switchboards to be Dead Front. Stage switchboards shall be:

- (a) Of the dead-front type; and
- (b) Protected above with a suitable metal guard or hood extending the full length of the board and completely covering the space between the wall and the board to protect the latter from falling objects.

44-202 Guarding Stage Switchboards

(1) Where a stage switchboard has exposed live parts on the back of the board, it shall be enclosed by the walls of the building, by wire mesh grills, or by other acceptable methods.

(2) The entrance to the enclosure shall have a self-closing door.

44-204 Switches. Switches shall be of the enclosed type and externally operated.

44-206 Pilot Lamp on Switchboards

(1) A pilot lamp shall be installed within every switchboard enclosure.

(2) The pilot lamp shall be connected to the circuit supplying the switchboard so that the opening of the master switch does not cut off the supply to the lamp.

(3) The lamp shall be on an independent circuit protected by an overcurrent device rated or set at not more than 15 amperes.

44-208 Fuses. Fuses on switchboards shall be:

- (a) Of either the plug or cartridge type; and
- (b) Provided with enclosures in addition to the switchboard enclosure.

44-210 Overcurrent Protection. All circuits leaving the switchboard shall have an overcurrent device connected in each ungrounded conductor.

44-212 Dimmers

(1) Dimmers shall be connected so as to be dead when their respective circuit switches are open.

(2) Dimmers which do not open the circuit may be connected in a grounded neutral conductor.

(3) The terminals of dimmers shall be provided with approved enclosures.

(4) Dimmer faceplates shall be arranged so that accidental contact cannot readily be made with the faceplate contacts.

44-214 Control of Stage and Gallery Pockets. Stage and gallery pockets shall be controlled from the switchboard.

44-216 Conductors

(1) Stage switchboards equipped with resistive or transformed type dimmer systems shall be wired with conductors having insulation suitable for the temperature generated therein and in no case less than 125°C.

(2) The conductors shall have an ampacity of not less than that of the switch or overcurrent device to which they are connected.

(3) Holes in the metal enclosure through which conductors pass shall be bushed.

(4) The strands of the conductor shall be soldered together before they are fastened under a clamp or binding screw.

(5) Where a conductor of No. 8 AWG or of a larger size is connected to a terminal:

(a) It shall be soldered into a lug; or

(b) An approved solderless connector shall be used.

Portable Switchboards on Stage

44-250 Construction of Portable Switchboards

(1) Portable switchboards shall be placed within enclosures of substantial construction but may be arranged so that the enclosure is open during operation.

(2) There shall be no live parts exposed within the enclosure except those on dimmer faceplates.

44-036 Supply for Portable Switchboards

(1) Portable switchboards shall be supplied by means of flexible cord or cable, Types S, SO, or ST, terminating within the switchboard enclosure in an externally operated, enclosed, fused master switch.

(2) The master switch shall be arranged so as to cut off current from all apparatus within the enclosure except the pilot light.

(3) The flexible cord or cable shall have a sufficient ampacity to carry the total load current of the switchboard.

(4) The ampere-rating of the fuses of the master switch shall not be greater than the total load current of the switchboard.

Fixed Stage Equipment

44-300 Footlights

(1) Where footlights are wired in rigid metal conduit or electrical metallic tubing, every lampholder shall be installed in an individual outlet box.

(2) Where footlights are not wired in rigid metal conduit or electrical metallic tubing the wiring shall be installed in a metal trough.

44-302 Metal Work

(1) The metal work for footlights, borders, proscenium sidelights, and strips shall be not less than 0.0309 inch (No. 20 MSG) thick.

(2) The metal work for bunches and portable strips shall be not less than 0.0209 inch (No. 24 MSG) thick.

44-304 Clearances at Terminals. The terminals of lampholders shall be separated from the metal of the trough by at least 13 millimetres.

44-306 Mechanical Protection of Lamps in Borders, Etc. Borders, proscenium sidelights, and strips shall be constructed so that the flanges of the reflectors or other suitable guards protect the lamps from mechanical injury and from accidental contact with scenery or other combustible material.

44-308 Suspended Fixtures. Borders and strips shall be so suspended as to be electrically and mechanically safe.

44-310 Connections at Lampholders. Conductors shall be soldered to the terminals of lampholders unless other suitable means are provided to obtain positive and reliable connection under severe vibration.

44-312 Ventilation for Mogul Lampholders. Where the lighting devices are equipped with mogul lampholders, the lighting devices shall be constructed with double walls and with adequate ventilation between the walls.

44-314 Conductor Insulation for Field Assembled Fixtures. Foot, border, proscenium and portable strip light fixtures assembled in the field shall be wired with conductors having insulation suitable for the temperature at which the conductors will be operated and in no case less than 125°C.

44-316 Branch Circuit Overcurrent Protection. Branch circuits for footlights, border lights and proscenium sidelights shall have overcurrent protection in accordance with Rule 30-104.

44-318 Pendent Lights Rated More Than 100 Watts. Where a pendent lighting device contains a lamp or group of lamps of more than 100 watts capacity, it shall be provided with a guard of not more than 13 millimetres mesh so arranged as to prevent danger from falling glass.

44-320 Cable for Border Lights

(1) Flexible cord or cable for border lights shall be of Types S, SO, or ST.

(2) The flexible cord or cable shall be fed from points on the grid iron or from other acceptable overhead points but shall not be fed from side walls.

(3) The flexible cord or cable shall be arranged so that strain is taken from clamps and binding screws.

(4) Where the flexible cord or cable passes through a metal or wooden enclosure, a metal bushing shall be provided to protect the cord.

(5) Terminals or binding posts to which flexible cords or cables are connected inside the switchboard enclosure shall be located so as to permit convenient access to them.

44-322 Wiring to Arc Pockets. Where the wiring to arc pockets is in rigid metal conduit or electrical metallic tubing, the end of the conduit or tubing shall be exposed at a point approximately 300 millimetres away from the pocket, and the wiring shall be continued in flexible conduit in the form of a loop at least 600 millimetres long, with sufficient slack to permit the raising or lowering of the box.

44-324 Receptacles in Gallery Pockets. At least one receptacle having a rated capacity of not less than 30 amperes shall be installed in the gallery of theatres where dramatic or operatic performances are staged.

44-326 Receptacles and Plugs

(1) Receptacles intended for the connection of arc lamps shall:

- (a) Have an ampere rating not less than 35 amperes; and
- (b) Be supplied by conductors not smaller than No. 6 AWG.

(2) Receptacles intended for the connection of incandescent lamps shall:

- (a) Have a rated capacity not less than 15 amperes; and
- (b) Be supplied by conductors not smaller than No. 12AWG copper or No. 10 AWG aluminum.

(3) Plugs for arc and incandescent receptacles shall not be interchangeable.

44-328 Curtain Motors. Curtain motors shall be of the enclosed type.

44-330 Flue-Damper Control

(1) Where stage flue dampers are released by an electrical device, the circuit operating the device shall, in normal operation, be closed.

(2) The circuit shall be controlled by at least 2 single-pole switches enclosed in metal boxes with self-closing doors without locks or latches.

(3) One switch shall be placed at the electrician's station and the other at a place designated by the inspection department.

(4) The device shall be:

- (a) Designed for the full voltage of the circuit to which it is connected, no resistance being inserted;
- (b) Located in the loft above the scenery; and
- (c) Enclosed in a suitable metal box with a tight self-closing door.

Portable Stage Equipment

44-350 Fixtures on Scenery

(1) Fixtures attached to stage scenery shall be:

(a) Of the internally wired type; or

(b) Wired with flexible cord or cable approved for hard usage.

(2) The fixtures shall be secured firmly in place.

(3) The stems of the fixtures shall be carried through to the back of the scenery and shall have a suitable bushing on the end thereof.

44-352 String or Festooned Lights

(1) Joints in the wiring of string or festooned lights shall be staggered where practicable.

(2) Where the lamps of string or festooned lights are enclosed in paper lanterns, or shades or other devices of combustible material, they shall be equipped with lamp guards.

44-354 Flexible Conductors for Portable Equipment. Flexible conductors for arc lamps, bunches, or other portable equipment shall be Types S, SO, or ST cord or cable, but for separate miscellaneous portable devices operated under conditions where the conductors are not exposed to severe mechanical injury, reinforced cords Types SV, SVO, SJ, SJO, or SJT may be used provided that they are protected by an overcurrent device rated or set at not more than 15 amperes.

44-356 Portable Equipment for Stage Effects. Portable equipment for stage effects shall be of a type especially approved for the purpose and shall be so located that flames, sparks or hot particles cannot come in contact with combustible material.

Dressing Rooms

44-400 Pendants in Dressing Rooms. Pendent lights in dressing rooms shall be wired with armoured cable or with flexible cord approved for hard usage as listed in Table 11.

44-402 Receptacles in Dressing Rooms

(1) Every dressing room shall contain at least one receptacle constructed to accommodate parallel blade attachment plugs.

(2) All receptacles constructed to accommodate parallel blade attachment plugs in dressing rooms shall be controlled from the switchboard.

44-404 Lamp Guards in Dressing Rooms. All lights in dressing rooms shall be equipped with locked, open-end, wire guards.

SECTION 46—EMERGENCY SYSTEMS AND UNIT EQUIPMENT

46-000 Scope

(1) This Section applies to the installation, operation and maintenance of emergency systems and unit equipment intended to supply illumination and to emergency systems intended to supply power, in the event of failure of the normal supply, where required by any governmental or other agency having jurisdiction.

(2) The requirements of this Section are supplementary to or amendatory of the general requirements of this Code.

General

46-100 Capacity. Emergency systems and unit equipment shall have adequate capacity and rating to ensure the satisfactory operation of all connected equipment when the principal source of power fails.

46-102 Maintenance. Where batteries are used as a source of supply, the batteries shall be kept:

- (a) In proper condition; and
- (b) Fully charged at all times.

46-104 Arrangement of Lamps

(1) Emergency lights shall be so arranged that the failure of any one lamp will not leave in total darkness the area normally illuminated by it.

(2) No appliance or lamp, other than those required for emergency purposes, shall be supplied by the emergency circuits.

46-106 Method of Wiring

(1) The method of wiring including that between unit equipment and remote lamps shall be in accordance with Section 12.

(2) The wiring shall be kept entirely independent of all other wiring and equipment and shall not enter a fixture, raceway, box, or cabinet occupied by other wiring except where necessary:

- (a) In transfer switches; and
- (b) In emergency lighting fixtures supplied from two sources.

Emergency Systems

46-200 Emergency Systems. Rules 46-200 to 46-214 apply to emergency systems from central standby supplies only.

46-202 Supply

(1) The emergency supply shall be a standby supply consisting of:

- (a) A storage battery of the rechargeable type having sufficient capacity to supply and maintain at not less than 91 per cent of full voltage the total load of the emergency circuits for the time period required by the authority having jurisdiction, but in no case less than half an hour, and equipped with a charging means to maintain the battery in a charged condition automatically; or
 - (b) A generator driven by a dependable prime mover.
- (2) Automobile batteries and lead batteries not of the enclosed glass-jar type are not considered

suitable under Subrule (1) and shall only be used by special permission.

(3) Where a generator is used, it shall be:

- (a) Of capacity sufficient to carry the load; and
- (b) Arranged to start automatically without failure and without undue delay upon the failure of the current supply of the principal equipment of the building.

46-204 Location of Supply

(1) The supply for an emergency system shall:

- (a) Not be installed in rooms required for central heating, and/or cooling plants, or incinerator rooms; and
- (b) Be so located within the building as to reduce as far as possible the hazards of interference or damage to the equipment by fire, explosion, or flooding within the building.

(2) Where batteries are used as a source of supply, they shall be located in an adequately ventilated room.

(3) Where the Ontario Building Code requires an emergency system, the batteries or generator shall be installed within a room where the walls, floor and ceiling have a fire-resisting rating of at least one hour, and entrance shall be from the outside; or inside the building providing the opening is protected by an automatic approved fire door.

46-206 System Voltage, 50 Volts or Less. Where an emergency system operates at 50 volts or less, it shall also conform to Section 56, Small Isolated Plants.

46-208 Control

(1) The current supply for emergency systems shall be controlled by an automatic transfer switch which energizes the emergency system upon failure of the normal current supply and is accessible only to authorized persons.

(2) An automatic light-actuated device, approved for the purpose, may be used to control separately the lights located in an area that is adequately illuminated during daylight hours without the need of artificial lighting.

46-210 Overcurrent Protection

(1) No device capable of interrupting the circuit, other than the overcurrent device for the current supply of the emergency system, shall be placed ahead of the branch circuit overcurrent devices.

(2) The branch circuit overcurrent devices shall be accessible only to authorized persons.

46-212 Audible and Visual Trouble-Signal Devices

(1) Every emergency system shall be equipped with audible and visual trouble-signal devices which give warning of derangement of the current source

or sources and which indicate when the emergency load is supplied from batteries or generators.

- (2) Audible trouble signals may be wired so that:
 - (a) They can be silenced, but a red warning or trouble light shall continue to provide the protective function; and
 - (b) When the system is restored to normal, the audible signal will:
 - (i) Sound, thus indicating the necessity of restoring the silencing switch to its normal position; or
 - (ii) Reset automatically so as to sound for any subsequent operation of the emergency system.

46-214 Remote Lamps. Lamps may be mounted at some distance from the current supply which feeds them, but the voltage drop in the wiring feeding such lamps shall not exceed 5 per cent of the applied voltage.

Unit Equipment

46-300 Unit Equipment. Rules 46-300 to 46-306 inclusive apply to individual unit equipment for emergency lighting only.

46-302 Mounting of Equipment. Each unit equipment shall be mounted with the bottom of the enclosure not less than 2 metres above the floor wherever practicable.

46-304 Supply Connections

(1) Receptacles to which unit equipment is to be connected shall be not less than 2.5 metres above the floor, where practicable, and shall be not more than 1.5 metres from the location of the unit equipment.

(2) Unit equipment shall be permanently connected to the supply if:

- (a) The voltage rating exceeds 250 volts; or
- (b) The marked input rating exceeds 24 amperes.

(3) Where the ratings in Subrule (2) are not exceeded, the unit equipment may be connected using the flexible cord and attachment plug supplied with the equipment.

(4) Unit equipment shall be:

- (a) Installed in such a manner that it will be automatically actuated upon failure of the power supply to the normal lighting in the area covered by that unit equipment; and
- (b) Fed where practicable from the same panel-board, and may be fed from the same branch circuit which feeds the normal lighting in the area covered by that unit equipment.

46-306 Remote Lamps

(1) The circuit conductors to remote lamps shall be of such size that the voltage drop does not exceed 5 per cent of the marked output voltage of the unit equipment; or such other voltage drop for which the performance of unit equipment is certified when connected to the specific remote lamp being installed.

(2) Remote lamps shall be acceptable for the purpose and shall be included in the list of lamps provided with the unit equipment.

(3) The number of lamps connected to a single unit equipment shall not result in a load in excess of the watts output rating marked on the equipment for the emergency period required by the authority having jurisdiction, and the load shall be computed from the information in the list of lamps referred to in Subrule (2).

46-308 Self-Contained Battery-Operated Emergency Light Units. Where self-controlled battery-operated emergency lighting units are used, the branch circuit supplying the device shall be interconnected to the general lighting circuit so that the failure of this circuit will actuate the emergency lighting unit.

SECTION 48—MOTION PICTURE STUDIOS, PROJECTION ROOMS, FILM EXCHANGES INCLUDING FILM-VAULTS AND STORE HOUSES FOR PYROXYLIN PLASTIC AND NITROCELLULOSE X-RAY AND PHOTOGRAPHIC FILM

48-000 Scope

(1) This Section applies to:

- (a) Motion picture studios, projection rooms, exchanges, factories and laboratories; and
- (b) Any building or portion of a building in which motion picture films, pyroxylin plastic and nitrocellulose X-ray and photographic films are manufactured, projected, developed, printed, rewound, repaired or stored;

and is supplementary to or amendatory of the general requirements of this Code.

(2) This Section does not apply where only slow-burning (cellulose-acetate or equivalent) film is used.

48-002 Wiring Method. The wiring method, unless specified otherwise in this Section, shall be rigid conduit, steel electrical metallic tubing, or mineral-insulated cable, except that portable cables or flexible cord may be used on studio stages and other locations where fixed wiring methods are impracticable.

48-004 Lamp Outlets. Lamp outlets on walls shall consist of lampholders mounted in outlet boxes and equipped with open-end guards securely fastened to the cover of the box.

48-006 Pendent Lamps. Pendent lamps shall be suspended by means of reinforced cord, armoured cord or armoured cable, and shall be protected by guards or metal shades.

48-008 Portable Lamps. For portable lamps other than those used as properties in a motion picture set on a studio stage or similar location, the lampholders shall be:

- (a) Unswitched;
- (b) Of composition or metal-sheathed porcelain; and
- (c) Provided with a guard hook and handle.

48-010 Flexible Cords. Type S, SO or ST cord shall be used on portable lamps and equipment.

48-012 Patching Table Fixtures. At film-patching tables all lighting fixtures, except lamps forming part of approved patching table equipment, shall be of the totally-enclosed gasketed type.

48-014 Motors and Generators. Motors and generators having brushes or sliding contacts, other than those used on studio stages shall be of approved dust-tight or enclosed types.

48-016 Storage Batteries. Storage batteries shall comply with the requirements of Rules 26-542 to 26-548.

48-018 Pyroxylin Plastic Storage Rooms. In rooms used for the storage of pyroxylin plastic no receptacle or attachment plugs shall be installed.

Film-Vaults

48-020 Equipment in Film-Vaults. No electrical equipment other than that necessary for fixed lighting shall be installed in film-vaults.

48-022 Film-Vaults Wiring Method

(1) The wiring method in film-vaults shall be rigid conduit or mineral-insulated cable only, with threaded joints at couplings, boxes and fittings.

(2) Conduit or cable shall not run directly from vault to vault, but only from the switch to the lighting fixture within the vault.

(3) Conduit shall be sealed off near the switch enclosure with a fitting and compound approved for the purpose.

48-024 Film-Vault Lighting Fixtures

(1) Lighting fixtures in film-vaults shall be of the explosion-proof type approved for use in Class 1, Group C hazardous locations and shall have metal cages or guards protecting the globes.

(2) The fixtures shall be located as close as practicable to the ceiling so as not to be liable to damage through handling of film containers.

48-026 Film-Vault Circuits

(1) Fixtures shall be controlled by a double-pole switch located outside the film-vault.

(2) A red pilot light shall be provided to indicate when the switch is closed and shall be located outside the film-vault.

(3) Wiring shall be arranged so that when the switch is off, all conductors within the film-vault will be dead.

Motion Picture Projection Rooms

48-028 Flexible Cords in Projection Rooms. Type S, SJ, SO, or ST flexible cords shall be used on portable equipment in motion picture projection rooms.

48-030 Lamps in Projection Rooms. Incandescent lamps in projection rooms or booths shall be provided with an approved lamp guard unless otherwise protected by noncombustible shades or other enclosures.

48-034 Ventilation. Exhaust ventilation fans for the projection room shall be controlled from inside the projection room.

SECTION 50—DATA PROCESSING SYSTEMS

Scope

50-000 Scope

(1) This Section applies to the installation of equipment including terminal units, supply wiring, equipment interconnecting wiring and grounding of data processing systems with the exception of those portions that are exclusively for communication systems as specified in Section 60.

(2) The requirements of this Section are supplementary to, or amendatory of, the general requirements of this Code.

General

50-100 Supply Circuits

(1) The branch circuit conductors to which one or more units of a data processing system are connected shall have an ampacity not less than 125 per cent of the total connected load.

(2) Branch circuits supplying permanently connected data processing units shall supply no other types of loads.

Wiring

50-200 Interconnecting Wiring

(1) Connection of the data processing system by flexible cord or cable and an attachment plug, or cord set assembly, shall be permitted.

(2) Interconnection of separate units by flexible cords or cables shall be permitted.

(3) When the cords or cables referred to in Subrules (1) and (2) are run on the surface of the floor, they shall be protected against mechanical damage.

(4) The cords or cables referred to in Subrules (1) and (2) shall be of a type suitable for extra hard usage as specified in Table 11.

(5) The cables may contain both power and communication conductors if they are specifically approved for the purpose.

50-202 Wiring Under Raised Floors. The power-supply cables and interconnecting cables may be installed under a raised floor, provided that:

- (a) The raised floor is of suitable noncombustible construction;
- (b) They are spaced at least 50 millimetres from any communication cables;
- (c) The branch circuit supply conductors to receptacles are installed in rigid conduit, electrical metallic tubing, flexible metal conduit, armoured cable, metal sheathed cable including mineral-insulated cable other than the light-weight type; and
- (d) Ventilation in the underfloor area is used for the data processing equipment and data processing area only.

Disconnecting Means

50-300 Disconnecting Means. In addition to any integral individual disconnect switches for components or other units of the data processing system, disconnecting means shall be provided as follows:

- (a) In data processing rooms, the disconnecting means shall disconnect the ventilation system serving that room and power to all electrical equipment in the room except lighting, and shall be controlled from locations readily accessible to the operator and at designated exit doors from the data processing room;
- (b) In general building areas, the disconnecting means shall disconnect all interconnected data processing equipment in the area and shall be controlled from a location readily accessible to the operator.

Grounding

50-400 Grounding

- (1) All exposed non-current-carrying conductive parts of a data processing system shall be grounded in accordance with Section 10.
- (2) The raised floor, if of conductive material, shall be grounded in accordance with Section 10.

SECTION 52—X-RAY INSTALLATIONS

52-000 Scope

(1) This Section applies to the installation of X-ray equipment operating at any frequency, and is supplementary to or amendatory of the general requirements of this Code.

(2) Nothing in this Section shall be construed as specifying safeguards against direct, stray or secondary X-ray radiation.

52-002 High Voltage Guarding

(1) High-voltage parts shall be mounted within enclosures of grounded metal except when installed

in separate rooms or enclosures where a suitable switch shall be:

- (a) Provided to control the circuit supplying the X-ray equipment; and
 - (b) Arranged so that it will necessarily be open except while the door of the room or enclosure is locked from the outside.
- (2) High-voltage parts of X-ray equipment may be mounted within enclosures of insulating material.
- (3) Conductors in the high-voltage circuits shall be of the shock-proof type.
- (4) Leads on fluoroscope tables shall be adequately insulated or be provided with barriers which will guard against inadvertent contact.

52-004 Milliammeter. If a milliammeter is provided it shall be:

- (a) Connected, if practicable in the grounded lead; or
- (b) Guarded if connected in the high-voltage lead.

52-006 Connections to Supply Circuit

(1) Permanently installed X-ray apparatus shall be connected to the power supply by means of a wiring method meeting the general requirements of this Code, except that apparatus properly supplied by branch circuits not larger than a 30 ampere branch circuit may be supplied through a suitable plug and heavy duty cable or cord.

(2) Transportable X-ray apparatus of any capacity may be connected to its power supply by suitable temporary connections and heavy duty cable or cord.

52-008 Disconnecting Means

(1) A disconnecting means of adequate capacity shall be provided in a location readily accessible from the X-ray control.

(2) For apparatus requiring a 115 volt branch circuit fused at 30 amperes or less, a plug and receptacle of proper size may serve as a disconnecting means.

52-010 Transformers and Capacitors

(1) Transformers and capacitors forming a part of an X-ray equipment shall not be required to conform to the requirements of Section 26 of this Code.

(2) Capacitors shall be provided with an automatic means for discharging and grounding the plates whenever the transformer primary is disconnected from the source of supply, unless all current-carrying parts of the capacitors and of the conductors connected therewith are:

- (a) At least 2.5 metres from the floor, and are inaccessible to unauthorized persons; or
- (b) Within enclosures of grounded metal or insulating material if within 2.5 metres from the floor.

52-012 Control

(1) For stationary equipment, the low-voltage circuit of the step-up transformer shall contain a circuit breaker which:

- (a) Has no exposed live parts;
- (b) Protects the radiographic circuit against fault conditions under all operating conditions;
- (c) Is installed as a part of the equipment or directly adjacent thereto; and
- (d) Is manually operable or else at least one other manually operable switch is provided in the low-voltage circuit of the step-up transformer, either as part of the equipment or directly adjacent thereto.

(2) Where in Subrule (1) the design of the step-up transformer is such that branch fuses having a current rating lower than the current rating of the circuit breaker are required for adequate protection for fluoroscopic and therapeutic circuits, they shall be added for protection of these circuits.

(3) For portable equipment, the requirements of Subrules (1) and (2) shall apply but the circuit breaker shall be located in or on the equipment except that no circuit breaker is required when the high voltage parts including the X-ray tube are within a single metal enclosure which is provided with a means for grounding.

(4) Medical X-ray equipment shall, in addition to complying with the requirements of Subrules (1), (2) and (3) as applicable, be provided with controlling means as follows:

- (a) For the radiographic type, a timer shall be provided and controlled by a switch which shall be designed to open automatically except when held closed by the operator;
- (b) For the fluoroscopic type, a switch shall be provided which shall be designed to open automatically except when held closed by the operator;
- (c) For the therapeutic type, a timer shall be provided which is not of the repeating type.

(5) Industrial X-ray equipment of the radiographic and fluoroscopic types shall, in addition to complying with the requirements of Subrules (1), (2), and (3) as applicable, be provided with a timer or a manual switch to open and close the circuit at the option of the operator.

(6) Where switches operated by foot pressure are used with industrial X-ray equipment, the contact button shall be provided with a shield to avoid accidental closing unless the equipment is of the fully enclosed shockproof type.

(7) Where switches operated by foot pressure are used with equipment for radiographic work, the foot switch shall return automatically to the X-ray off position when foot pressure is removed.

(8) Where more than one piece of equipment is operated from the same high-voltage circuit, each piece or each group of equipment as a unit, shall be provided with a high-voltage switch or equivalent disconnecting means.

52-014 Grounding. Non-current-carrying parts of tube stands, fluoroscopes and other apparatus shall be grounded in conformity with the requirements of Section 10.

SECTION 56—SMALL ISOLATED PLANTS

56-000 Scope. This Section applies to

(a) Electric power plants in which:

- (i) A prime mover is connected to an electric generator operating at a voltage of less than 50 volts; or
- (ii) A storage battery is the source of supply; and

(b) The control devices used in the plants;

and is supplementary to or amendatory of the general requirements of this Code.

56-002 Lampholders. Lampholders shall be rated 660 watt, 250 volt, and shall be considered to have a maximum rating of $3\frac{1}{2}$ amperes.

56-004 Conductors

(1) No conductors shall have an ampacity less than that of No. 12 AWG copper wire, but a flexible cord which supplies a single lampholder may be of No. 14 AWG copper.

(2) The sizes of conductors used shall be those specified in Tables 1, 2, 3 or 4.

56-006 Number of Outlets on Branch Circuits. There shall be not more than eight outlets on a branch circuit.

56-008 Branch Circuit Capacity. In determining the size of conductors required, each lampholder shall be considered as loaded to not less than 2 amperes.

56-010 Branch Circuit Overcurrent Protection. The overcurrent devices which protect branch circuits shall be rated or set at not more than 20 amperes.

56-012 Devices over 5 Amperes

(1) No device rated at more than 5 amperes shall be connected to a branch circuit which supplies incandescent lamps.

(2) A device rated at more than 5 amperes shall be supplied from a branch circuit used for no other purpose and equipped with receptacles rated at not less than 20 amperes.

56-014 Batteries. Batteries shall be kept in rooms or spaces having natural means of ventilation.

SECTION 58—FUR STORAGE VAULTS

58-000 Scope. This Section applies to electrical equipment and installations in fur storage vaults and is supplementary to or amendatory of the general requirements of this Code.

58-002 Electrical Equipment in Storage Vaults. Electrical equipment in storage vaults shall be limited to:

- (a) Supply conduits or cable;
- (b) Lighting fixtures;
- (c) Burglary, fire-detection and fire-extinction systems;
- (d) Ventilation motors, refrigeration and air-conditioning and air circulating or blower motors, all of which shall comply with Rule 58-012; and
- (e) Such other equipment as may be necessary to the proper utilization of the storage vault.

58-004 Wiring Method

(1) The wiring method in storage vaults shall be rigid conduit, mineral-insulated cable or aluminum-sheathed cable except that, where a flexible connection is required, a short length of flexible conduit may be used.

(2) Conduits shall be joined with threaded fittings.

(3) Outlet or junction boxes or other wiring enclosures shall have threaded hubs which provide at least three full threads for the attachment of conduit or cable fittings.

58-006 Portable Lamps, etc. Portable lamps, portable heaters, extension cords, or pendent cords shall not be used in storage vaults.

58-008 Lighting Fixtures

(1) Where incandescent lighting fixtures are installed in a storage vault they shall be of the totally-enclosed gasketed type to safeguard against possible discharge of sparks or hot particles.

(2) Lighting fixtures shall be located so that their lamps shall be at least 300 millimetres from the stored garments and fumigant evaporating trays and shall not be located directly above such trays.

(3) Where fluorescent fixtures are installed, each ballast including its power factor correcting capacitor, shall be inherently protected by suitable temperature limiting devices.

58-010 Lighting Branch Circuits

(1) Lighting branch circuits in a storage vault shall be controlled by a switch located outside the vault, but near the entrance thereto.

(2) A switch controlling a lighting circuit in a storage vault shall be provided with a red-coloured pilot light located outside the vault so as to be visible to an attendant.

(3) Where a master switch is arranged to control all lighting circuits in one or more storage vaults, then only one pilot light shall be required for the master switch.

(4) Where a lighting circuit is protected by a fuse, a Type C or Type S non-interchangeable fuse shall be used.

58-012 Motors

(1) Only motors essential to operation shall be located in a storage vault and such motors shall be of the totally-enclosed type, protected integrally against over-

heating by a manual re-set device approved for use with the particular motor involved.

(2) Refrigeration and air-conditioning units, including compressors, and motors shall not be located in a storage vault unless the refrigerant is non-flammable and the unit is approved as a self-contained assembly designed for permanent installation.

(3) Where a motor is used to exhaust fumes or smoke from a vault its controller shall be located outside the vault and its function shall be conspicuously identified for the benefit of the Fire Department.

(4) All refrigeration systems, air-conditioning systems, blowers and fans serving a storage vault shall be cut off automatically on actuation of an automatic fire detection or protection system installed within the vault.

SECTION 62—FIXED ELECTRIC SPACE AND SURFACE HEATING SYSTEMS

Scope

62-000 Scope

(1) This Section applies to:

- (a) Fixed electric space heating systems for heating rooms and similar areas; and
- (b) Fixed surface heating systems for pipe heating, melting of snow or ice on roofs or concrete or asphalt surfaces, soil heating and similar applications other than space heating.

(2) The requirements of this Section are additional to or amendatory of the general requirements of this Code.

General

62-100 General Rules. Rules 62-102 to 62-128 apply to both fixed space and surface heating installations.

62-102 Special Terminology. In this Section the following definitions apply:

- (a) **Cable set** means a heating conductor and includes the non-heating portion connected to the heating portion;
- (b) **Central unit** means any heating unit (or group of units assembled so as to form a complete unit) permanently installed in such a way that it can convey heat to rooms or areas using air, liquid, or vapour flowing through pipes or ducts, and includes duct heaters;
- (c) **Fixture** means any heating unit (or group of units assembled so as to form a complete unit) permanently installed in such a manner that it can be removed or replaced without removing or damaging any part of the building structure;
- (d) **"Heating panel"** means a rigid or non-rigid laminated plane section in which the heating element consisting of a continuously parallel resistive material, a series resistive material, or

a parallel-series resistive material is embedded between or in sheets of electrical insulating material;

- (e) "Heating panel set" means a heating panel together with cold leads or non-heating portion;
- (f) "Heating unit" is a general term applying to any form of electrical heating device, and includes cable, fixture, panel and strip system;
- (g) "Parallel heating set" means a heating element of a continuous parallel connected heating unit or of an intermittently parallel connected heating unit, assembled by the manufacturer or by the installer in accordance with the manufacturer's instructions;
- (h) "Sauna heater" means a device that is designed for heating air and that is installed permanently in a special room to produce a hot atmosphere with generally a relatively low humidity although brief excursions to relatively high humidity may take place.

62-104 Special Locations. Heating equipment installed in hazardous locations or where subject to wet or corrosive conditions shall be of a type approved for the particular location.

62-106 Terminal Connections

(1) Connections to heating equipment shall be made in terminal fittings or boxes and equipment shall be installed so that connections between circuit conductors and equipment conductors are accessible without disturbing any part of the wiring.

(2) Where the connections of Subrule (1) are made in terminal fittings, they shall be contained in an enclosure of noncombustible material.

(3) Where the temperature at the point of connection between branch circuit conductors and heating equipment exceeds 60°C, the branch circuit conductors shall be installed in accordance with Rule 30-410.

62-108 Branch Circuits

(1) Branch circuit conductors used for the supply of energy to heating equipment shall:

- (a) Be used solely for such equipment;
- (b) Have an ampacity not less than that of the connected load supplied; and
- (c) Conductors having insulation suitable for the temperatures encountered shall be used for branch circuits supplying a heating unit.

(2) For the purpose of this Rule an approved unit which combines heating with ventilating or lighting equipment or both, shall be considered to be heating equipment.

(3) Notwithstanding Subrule (1) where a heat lamp is not the sole source of heat it may be used in

a medium-base lampholder acceptable for the purpose where the lampholder is supplied from a general-use branch circuit.

62-110 Overcurrent Protection and Grouping

(1) Every fixture, cable set, heating panel set or parallel heating set having an input of more than 30 amperes shall be supplied by a branch circuit that supplies no other equipment.

(2) In a residential occupancy, two or more fixtures, cable sets or heating panel sets may be connected to a branch circuit used for space heating, provided that the branch circuit overcurrent devices are rated or set at not more than 30 amperes.

(3) In other than a residential occupancy:

- (a) Two or more fixtures, cable sets, heating panel sets or parallel heating sets may be grouped on a branch circuit and, except by special permission, the branch circuit overcurrent devices shall not be set or rated in excess of 60 amperes;
- (b) Where three fixtures, cable sets, heating panel sets or parallel heating sets are grouped on a branch circuit in a balanced 3-phase arrangement, the branch circuit overcurrent devices may be set or rated in excess of 60 amperes.

(4) Where two or more fixtures, cable sets, heating panel sets or parallel heating sets are grouped on a single branch circuit, the non-heating leads of cable sets and taps to cable sets, fixtures and strip systems shall:

- (a) Have an ampacity not less than one-third the rating of the branch circuit overcurrent device; and
- (b) Be not more than 7.5 metres in length.

(5) Where the heating portion of a cable set is not totally embedded in non-combustible material, the the rating or setting of the branch circuit overcurrent devices shall not exceed 15 amperes.

(6) Where a service, feeder, or branch circuit is used solely for the supply of energy to heating equipment, the total calculated demand of the heating equipment shall not exceed 80 per cent of the rating of the service, feeder, or branch circuit overcurrent devices.

(7) Branch circuit conductors supplying only fixed resistance heating loads may have an ampacity less than the rating or setting of the branch circuit overcurrent protection provided that their ampacity:

- (a) Is not less than the load; and
- (b) Is at least 80 per cent of the rating or setting of the branch circuit overcurrent protection.

62-112 Thermal Insulation. Where heating equipment is installed on or within any surface such as

walls or ceilings, only thermal insulation of the non-corrosive, noncombustible type shall be used.

62-114 Installation of Fixtures

(1) Fixtures shall be installed so that:

- (a) The proper radiation of heat shall not be obstructed by any portion of the building structure;
- (b) Adjacent combustible material shall not be subjected to temperatures in excess of 90°C.

(2) Where a fixture is recessed in noncombustible material in a building of concrete, masonry or equal fire-resisting construction, the non-combustible material may be subjected to temperatures not exceeding 150°C, but the fixture shall be plainly marked as approved for the service.

(3) Fixtures weighing more than 10 pounds shall be installed so that the wiring connections in the outlet box or its equivalent will be accessible for inspection without removing the fixture supports.

(4) Fixtures weighing more than 25 pounds shall not be supported directly by an outlet box which is mounted on a bar hanger.

(5) Fixtures weighing more than 50 pounds shall be supported independently of the outlet box.

(6) Where fixtures are installed less than 5.5 metres above the floor in an arena, gymnasium, or similar location, where they may be exposed to damage from flying objects, the heating elements shall be of the metal sheathed type or the fixture shall be specifically approved for the application.

62-116 Fixtures as Raceways

(1) No fixtures shall be used as a raceway for circuit conductors unless the fixture is approved and marked for this use.

(2) Notwithstanding Subrule (1), the wiring channel of a baseboard heating unit may be used to contain the wiring for interconnection of adjacent baseboard units on the same branch circuit if the units are approved and marked for this use.

62-118 Construction of Cable Sets. Cable sets shall be complete approved assemblies including both the heating portion and the non-heating end leads and shall have permanent markings as required, located on one or both of the non-heating leads not more than 75 millimetres from the supply end of a non-heating lead.

62-120 Installation of Cable Sets

(1) The heating portion of a cable set shall not be shortened and any cable set which does not bear its original markings shall be considered to have been shortened and will be rejected unless the installer can prove to the satisfaction of the inspection department, by instrument measurements, that the characteristics of the approved cable set have not been altered.

(2) The entire length of the heating portion, including connections to non-heating leads, shall be installed within the heating area.

(3) Cable sets shall be installed so that the temperature on any part will not exceed 90°C except as permitted in Rule 62-304 (1).

(4) The heating portions of cable sets shall not be run closer than 200 millimetres to any outlet to which a lighting fixture or other heat-producing equipment is liable to be connected.

(5) Where cable sets without metallic shields or sheaths are installed, metallic structures or materials used for the support of such cable sets shall be grounded.

(6) Where a cable set is liable to accidental contact with conductive material which is not effectively grounded, the heating portion of the cable set shall have a metallic shield or sheath.

(7) Metallic shields and sheaths of cable sets shall be grounded.

62-122 Field-Assembled Cable Sets for Embedding in Concrete Indoors

(1) Notwithstanding Rules 62-118 and 62-120 (1), cable sets forming part of an approved heating cable system for embedding in concrete indoors and approved for assembly at the time of installation may be so installed.

(2) The electrical rating of the cable sets referred to in Subrule (1) shall be marked in the junction box provided as part of the system and which encloses the connection between the branch circuit conductors and the non-heating end leads.

(3) Notwithstanding Rules 62-124 and 62-212 (2), the cable sets referred to in Subrule (1) may, subject to the conditions of approval, be installed with the joint between the heating portion and the non-heating end leads in the supply junction box forming part of the approved system, provided that the heating portion is contained within an approved raceway between the point where it leaves the concrete and enters the box.

62-124 Non-heating End Leads of Cable Sets and Heating Panel Sets

(1) The non-heating end leads of cable sets and heating panel sets shall be installed in accordance with the requirements of Section 12 for the type of conductors employed.

(2) Where the heating element of a cable set is embedded in a concrete or similar floor the non-heating end leads if not of the metal-sheathed type, shall be run from within the concrete to the junction box in rigid conduit, electrical metallic tubing, or other approved raceway, which shall terminate in a horizontal run within the concrete and have a bushing or equivalent fitting to prevent abrasion of the conductors where they emerge.

62-126 Demand Factors for Service Conductors and Feeders

(1) Where service conductors or feeders are used solely for the supply of energy to heating equipment they shall have an ampacity of not less than the sum of the current ratings of all the equipment they supply.

(2) Notwithstanding Subrule (1), where a heating installation in a residential occupancy is provided with automatic thermostatic control devices in each room or heated area the ampacity of service conductors or feeders supplying heating equipment only shall be based on the following:

(a) The first 10 kilowatts of connected heating load at 100 per cent demand factor; plus

(b) The balance of the connected heating load at 75 per cent demand factor.

(3) Where service conductors or feeders supply a combined load of heating and other equipment, they shall have an ampacity consisting of:

(a) In the case of residential dwelling units, the sum of the heating load as computed by Subrule (2) plus the combined loads of other equipment with demand factors as applicable in Section 8; or

(b) In the case of other occupancies, 75 per cent of the total connected heating load plus the combined loads of the other equipment with demand factors as applicable in Section 8 for the type of occupancy.

(4) Notwithstanding Subrule (3), where the combined loads with applicable demand factors of other than heating equipment is less than 25 per cent of the connected heating load on a service or feeder, no demand factor shall be applicable to the heating portion of the load, but in no case shall the resultant demand be less than the connected heating load.

68-128 Temperature Control Devices

(1) Temperature control devices rated to operate at line voltage shall have a current rating at least equal to the sum of the current ratings of the equipment they control.

(2) Temperature control devices which can be turned automatically or manually to a marked "OFF" position and which either interrupt line current directly or control a contactor or similar device which interrupts line current shall open all ungrounded conductors of the controlled heating circuit when in the "OFF" position.

(3) Where the liquid to be heated is a fuel or other flammable product, temperature controls shall be installed to ensure that the liquid temperature does not exceed the minimum flash point of the liquid.

62-130 Heating Panel and Heating Panel Sets

(1) Heating panels shall be complete approved assemblies including terminal fittings.

(2) Heating panel sets shall be complete approved assemblies including the terminal fittings and the non-heating leads.

(3) The non-heating leads for heating panels or heating panel sets shall be of a type equivalent to the insulated conductors in non-metallic sheathed cable.

Electric Space Heating Systems

62-200 Electric Space Heating. Rules 62-202 to 62-222 apply to fixed electric space heating systems for heating rooms and similar areas.

62-202 Temperature Control. Each enclosed area within which a heater is located shall have a temperature control device.

62-204 Connections to Branch Circuit Conductors

(1) A cable set or heating panel used for interior space heating shall have non-heating end leads for connection to branch circuit conductors.

(2) For the heating panel referred to in Subrule (1), the non-heating end leads may be attached at the time of installation in accordance with the manufacturer's instructions.

62-206 Location of Cable Sets. The heating portions of cable sets shall not be:

(a) Installed in or behind any wall surface, nor in any other location where they may be subject to mechanical injury either during or after construction;

(b) Installed in, nor concealed behind any surface having wood lath, wood panelling, or similar combustible material;

(c) Run through walls, partitions, floors or similar structures; or

(d) Run in or through any thermal insulation.

62-208 Location of Heating Panels or Heating Panel Sets

(1) The heating portion of heating panels or heating panel sets shall not be:

(a) Installed in or behind any wall surface, nor in any location where it may be subject to mechanical injury either during or after construction; or

(b) Run through walls, partitions, floors or similar portions of structures.

(2) The heating panels or heating panel sets may be in contact with thermal insulation, but shall not be run in or through thermal insulation.

62-210 Proximity of Other Wiring. Wiring of other circuits located:

(a) Above heated ceilings shall be spaced not less than 50 millimetres above the ceiling and shall be considered as operating at an ambient temperature of 50°C unless thermal insulation having a minimum thickness of 50 millimetres is interposed between the wiring and the ceiling;

- (b) In heated concrete slabs shall be spaced not less than 50 millimetres from the heating cables and shall be considered as operating at an ambient temperature of 40°C.

62-212 Wattage Rating and Spacing of Cable Sets

(1) Cable sets, when in contact with gypsum board or plaster lath, or when embedded in plaster or sand which is in contact with gypsum board or plaster lath, shall not:

- (a) Have a rating in excess of 9 watts per metre of the heating portion; and
- (b) Be spaced closer than on 50 millimetre centres.

(2) Cable sets, when embedded in concrete or poured masonry, shall not:

- (a) Having a rating in excess of 65 watts per metre of heating portion, unless no adjacent heating cable is closer than 450 millimetres when up to 100 watts per metre may then be used;
- (b) Be spaced closer than 25 millimetres on centres; and
- (c) Have watts per square metre in excess of 430 watts.

62-214 Cable Sets in Cement or Plaster Ceilings

(1) Cable sets installed in cement or plaster shall be secured in place on the undercoat, gypsum board or plaster lath at not over 600 millimetre intervals by acceptable fastening devices suitable for the temperature involved, and of such nature as not to damage the cable.

(2) The entire length of the heating portion including the connections to the non-heating leads, shall be completely embedded in noncombustible material.

(3) Where space heating cable sets are installed in plastered ceilings, the plaster shall be a thermally non-insulating sand plaster, or equivalent, having a nominal thickness of not less than 13 millimetres.

62-216 Wattage of Heating Panels and Panel Sets.

The heating portion of the heating panels and panel sets when in contact with gypsum board or plaster lath, or when embedded in plaster, as per manufacturer's installation instructions and Rule 62-222, shall not have a watt density such that it will produce an exposed ceiling surface temperature in excess of the limiting temperature of the ceiling finish materials used.

62-218 Cable Sets in "Dry-Board" Installations

(1) For "dry-board" installations the cable shall be installed parallel to the joist or nailing strips, leaving a clear space of not less than 25 millimetres wider than the width of the lower face of the joist, header or nailing strip, between centres of adjacent cable runs.

(2) Crossing of joists by cable shall be done only at the ends of the joists except by special permission.

(3) After the heating cable is installed:

- (a) The entire ceiling below the cable shall be covered with gypsum board not exceeding 13 millimetres in thickness;
- (b) The voids between the upper layer of gypsum board and the surface layer of gypsum board shall be filled with thermally conducting plaster or other suitable material; and
- (c) The surface layer of gypsum board shall be mounted so that the nails or other fastenings do not pierce the heating cable.

62-220 Installation of Central Units

(1) Central units shall be installed so that there is reasonable accessibility for repair and maintenance.

(2) Central units shall be installed:

- (a) In an area which is large compared with the physical size of the unit unless specifically approved for installation in an alcove or closet; and
- (b) So as to comply with the clearances from combustible materials as specified on the nameplate.

62-222 Installation of Heating Panels and Heating Panel Sets

(1) Heating panels and heating panel sets shall be installed in accordance with the manufacturer's instructions.

(2) Subject to the temperature limitations of the particular application heating panel sets shall be installed so that the temperature of any part does not exceed its temperature rating.

(3) The heating panels shall be installed parallel to joists or nailing strips.

(4) The heating panels shall be secured to the lower face of joists, headers, or nailing strips.

(5) Nailing or stapling of the heating panels to the ceiling shall be done only through the unheated strips provided for this purpose.

(6) Heating panels shall not be cut through or nailed through any point closer than ¼ inch to the element.

(7) The ceiling finish material shall be secured so that nails or other fastenings do not pierce the heating panels.

(8) The heating portion of the heating panels shall not be installed closer than 200 millimetres to any outlet to which a lighting fixture or other heat producing equipment is liable to be connected.

(9) Heating panels shall not be installed above cupboards, walls or other obstructions.

(10) Branch circuits supplying heating panels and/or heating panel sets shall be marked by a warning label supplied by the heating panel or heating panel set manufacturer and affixed to the panelboard by the installer, stating that the ceiling supplied by the branch circuit is electrified (or contains live wiring) and should not be penetrated by nails, screws or similar devices.

Electric Surface Heating Systems

62-300 Electric Surface Heating. Rules 62-302 to 62-310 apply to fixed surface heating system for pipe heating, melting of snow or ice on roofs or concrete or asphalt surfaces, soil heating and similar applications other than space heating.

62-302 Installation of Fixtures

(1) If located so as to be exposed to rainfall, fixtures shall be provided with a weatherproof enclosure.

(2) All exposed metallic surfaces of fixtures shall be grounded.

62-304 Installation of Heating Units, General

(1) Heating units shall be installed so that adjacent materials will not be subjected to temperatures in excess of 90°C unless special permission is obtained for the use of higher temperatures and the heating units are approved for such higher temperature.

(2) No heating unit shall be installed closer than 13 millimetres to any exposed combustible surface unless the cable has a metallic shield or sheath and is provided with a positive temperature control which will limit the surface temperature of the heating units to a value not exceeding 72°C.

62-306 Cable Sets and Heating Panel Sets Installed Below the Heated Surface

(1) Cable sets and heating panel sets installed outdoors under the surface of driveways, sidewalks, and similar locations shall:

- (a) Have a metallic shield or sheath over the heating portion;
- (b) Be surrounded by noncombustible material throughout their length, including the point of connection to the non-heating leads;
- (c) When embedded in concrete be embedded to a depth of at least 50 millimetres, the concrete being reinforced, except in sidewalks, and have a minimum depth of 150 millimetres where subject to vehicular traffic or 100 millimetres where not subject to vehicular traffic;

(d) When embedded in asphalt:

(i) Be embedded:

- (A) At least 25 millimetres after first being covered with iron or steel

mesh not less than No. 10 gauge or greater than 100 millimetres mesh; or

(B) At least 25 millimetres after first being fastened securely to an asphaltic or equivalent base slab not less than 25 millimetres thick at intervals not exceeding 750 millimetres; and

(ii) Be installed so that adjacent runs of cable are 150 millimetres or less apart, and be rated at not more than 82 watts per metre;

(iii) Be located not less than 300 millimetres from the edge of the driveway where no curbs are provided; and

(iv) Be supported on a substantial base of concrete or well-compacted crushed stone at least 150 millimetres deep.

(2) Non-metallic cable sets and heating panel sets installed indoors shall be not less than 25 millimetres from any uninsulated metallic bodies located below the surface to be heated.

(3) All uninsulated metallic bodies located at or below the surface to be heated shall be grounded.

62-308 Heating Units Installed on or Wrapped Around Surfaces

(1) Heating units or parallel heating sets installed on or wrapped around surfaces shall be secured in place by suitable fastening devices which will not damage the heating unit, and which are suitable for the temperature involved.

(2) Heating units or parallel heating sets wrapped over valves or expansion joints in pipes shall be installed in such a manner as to avoid damage when movement occurs at these areas.

62-310 Parallel Heating Sets

(1) Parallel heating sets shall be assembled and installed in accordance with the manufacturer's instructions.

(2) Branch circuits used to supply energy to parallel heating sets shall have a nominal voltage rating of 600 volts or less.

(3) Metallic structures or materials used for the support of, or on which parallel heating units are installed, shall be grounded in accordance with Section 10.

62-312 Cable Sets Installed In or On Non-metallic Pipes, Ducts or Vessels

(1) Cable sets intended for use in or on non-metallic pipes, ducts or vessels shall be installed in accordance with the manufacturer's instructions.

(2) The temperature of the pipe, duct or vessel shall be controlled by a thermostat or other equivalent means in such a manner that the temperature shall be low enough to eliminate the danger of damage to the pipe, duct or vessel.

(3) Internal heating of pipes, ducts or vessels shall be limited to those not containing sewage solids, or flammable liquids.

(4) Where the pipes, ducts or vessels are heated by an internal cable set, the cable set shall be provided with a non-heating section which shall pass through a suitable gland.

62-314 Marking. Pipes, ducts or vessels with electric heating shall be suitably marked to indicate they are electrically traced if the systems are not readily visible throughout the length.

Other Heating Systems

62-400 Cable Sets and Parallel Heating Sets Installed in Pipes, Ducts or Vessels

(1) Cable sets or parallel heating sets installed in pipes, ducts or vessels shall be of a type acceptable for immersion in the liquid to be heated.

(2) Where practicable, cable sets or parallel heating sets installed in pipes, ducts or vessels shall be secured in place by suitable fastening devices which will not damage the cable or parallel heating unit.

(3) Where the cable set or parallel heating set passes through the pipe, duct or vessel, it shall pass through a suitable gland.

(4) Where a metal raceway is required for the non-heating leads of a cable set or a parallel heating set installed in a pipe, duct or vessel it shall be installed so that it will not become flooded in the event of the failure of the gland required by Subrule (3).

62-402 Pipe-Line Resistance Heating. Pipe-Line resistance heating equipment shall conform to the following:

- (a) Voltage applied to the piping shall not exceed 30 volts, and the supply shall be from an isolating type transformer;
- (b) No part of the extra-low voltage circuit, including the conductors and the piping in the loop used for heating shall be grounded;
- (c) Pipe hangers shall have insulating bushings, or be made of insulating material;
- (d) Pipes shall have a minimum clearance of 100 millimetres from adjacent material, and from each other, except from hangers or supports;
- (e) Where pipes pass through walls, floors, or ceilings, they shall be bushed with insulating

bushings or have 100 millimetres of clearance as required in Paragraph (d);

- (f) Vertical runs shall be supported every 6 metres or at each floor, whichever distance is less, with insulating hangers, and shall be firestopped at each floor;
- (g) Horizontal runs shall be supported at least every 3 metres;
- (h) Pipes used as heating elements shall be electrically insulated, and guarded, or shielded;
- (i) Pipes shall be protected from mechanical damage or installed in such a manner that the building beams or framing provide mechanical protection;
- (j) All pipes used for conductors in the electrical circuit shall be of the same diameter and of the same material; and
- (k) Joints shall be at least as electrically conductive as the adjacent piping such as provided by welding or bonding.

62-500 Sauna Heaters

(1) Heaters for sauna rooms shall be specifically approved for the purpose.

(2) Sauna heaters shall be installed in rooms that are built in accordance with the nameplate size specifications and shall be fastened securely in place to ensure that the minimum safe clearances indicated on the nameplate are not reduced.

(3) Each sauna heater shall be controlled by a thermostat or other temperature regulating device installed in accordance with the manufacturer's instructions.

(4) Sauna heaters shall not be installed below shower heads or water spray devices.

SECTION 64—INDUCTION AND DIELECTRIC HEATING EQUIPMENT

Scope

64-000 Scope. This Section applies to the construction and installation of induction and dielectric heating equipment and accessories and is supplementary to or amendatory of the general requirements of this Code.

General

64-100 Special Terminology. In this Section the following definitions apply:

- (a) "Generating equipment" means any equipment used to change the voltage or frequency or both of the power supplied to equipment of the type covered by this Section; and

- (b) "Therapeutic equipment" means equipment whose output frequency is not less than 2 megacycles per second.

64-102 Hazardous Locations. Induction and dielectric heat generating equipment shall not be installed in hazardous locations as defined in Section 18, unless the equipment is designed and approved for use in hazardous locations.

64-104 Wiring Method

(1) Wiring from the source of power to generating equipment shall comply with the requirements of Sections 2, 4, 12, 14 and 28.

(2) Circuits and equipment operating on a supply circuit of more than 750 volts shall comply with the requirements of Section 36.

64-106 Ampacity of Supply Conductors for Motor-Generator Equipment. The size of supply conductors for motor-generator equipment shall conform with the requirements of Section 28.

64-108 Ampacity of Supply Conductors for Other Than Motor-Generator Equipment. The size of the supply conductors for other than motor-generator equipment shall be determined as follows:

- (a) The ampacity of the circuit conductors shall be at least 100 per cent of the nameplate current rating of the equipment;
- (b) The ampacity of conductors supplying two or more equipments shall be equal to at least 100 per cent of the sum of the nameplate current ratings on all equipment involved except that when two or more equipments are supplied from the same feeder and simultaneous operation of the equipments is not possible, the capacity of the feeder shall be at least 100 per cent of the sum of the nameplate currents for the largest group of machines capable of simultaneous operation, plus 100 per cent of the standby currents of the remaining machines supplied.

64-110 Overcurrent Protection for Motor-Generator Equipment. Overcurrent protection shall be provided for motor-generator equipment as specified in Section 14.

64-112 Overcurrent Protection for Other than Motor-Generator Equipment

(1) Overcurrent protection for other than motor-generator equipment shall be provided, if not supplied as part of the equipment, to protect the equipment as a whole.

(2) The overcurrent device shall have a rating or setting of not more than 200 per cent of the nameplate current rating.

64-114 Disconnecting Means

(1) A readily accessible disconnecting means shall be provided by which each generating equipment can be isolated from the supply circuit.

(2) The ampacity of such disconnecting means shall be at least 100 per cent of the nameplate current rating of the equipment.

(3) The supply circuit switch may be used as the generating equipment disconnecting means if the circuit supplies only one equipment.

Guarding, Grounding and Labelling

64-200 Enclosure

(1) The generating apparatus including the dc, low- and high-frequency electrical circuits, but excluding the output circuits, shall be completely contained in an enclosure of noncombustible material.

(2) The metal housings of motors, generators and the like may serve as a part of this enclosure.

64-202 Panel Controls. All panel controls shall be of "dead front" construction.

64-204 Access to Internal Equipment. Enclosures shall be constructed so that:

- (a) Parts operating at potentials above 30 volts shall not be accessible directly;
- (b) Parts operating at 31 to 750 volts shall not be accessible through doors, panels or covers unless:
 - (i) A key or tool is required to open such doors and a caution which reads "DISCONNECT SUPPLY CIRCUIT BEFORE OPENING" is attached to such doors; or
 - (ii) Shields or barriers are provided so that all operating adjustments and controls may be accomplished without access to live parts; and
- (c) Parts operating at potentials above 750 volts shall not be accessible through doors, panels or covers unless such doors are provided with interlocks which remove all potentials above 30 volts when the doors are open.

64-206 Warning Labels. Warning labels, definitely indicating danger, shall be attached to doors, access panels or at other vantage points on equipment, so that the labels will be plainly visible when doors are opened or panels are removed from compartments containing voltages above 250 volts ac or dc.

64-208 Capacitors

(1) When capacitors in excess of 0.1 microfarad are used as rectifier filter components, arc suppressors, etc., in dc circuits having circuit voltages exceeding 230 volts-to-ground, bleeder resistors or grounding switches shall be used as grounding devices.

(2) Where auxiliary rectifiers are used with filter capacitors in the output for bias supplies, tube keyers, etc., bleeder resistors shall be used even though the dc voltage may not exceed 230 volts.

64-210 Work Applicator Guarding. Protective cages, adequate shielding or the equivalent, shall be used to guard work applicators, where practicable.

64-212 Output Circuits

(1) Output circuits shall be considered to include all high frequency components external to the generators, including interconnecting radio frequency transmission lines, load tuning networks, and work applicators.

(2) With respect to guarding, all parts of the output circuit shall be considered with the generating equipment as a complete assembly.

(3) Output circuits shall conform to the following:

- (a) The work applicator shall be so guarded that safe operation of the equipment will be assured;
- (b) When the connections between the generator and work applicator exceed 600 millimetres in length the connections shall be enclosed or guarded with non-combustible material;
- (c) The generator output shall be at direct-current ground potential (coupled outputs alone, without other precautions, will not suffice because of the danger existing during possible flashovers).

64-214 Grounding and Bonding

(1) Grounds or inter-unit bonding shall be used wherever required for circuit operation and for limiting to a safe value radio frequency potentials between all exposed non-current-carrying parts of the equipment and earth ground, also between all equipment parts and surrounding objects and between such objects and earth ground.

(2) Such grounding and bonding shall be installed in accordance with Section 10.

64-216 Applicators for Therapeutic Equipment. Current-carrying parts of applicators shall be insulated or enclosed so that reliable isolation of the patient shall be assured.

Equipment

64-300 Low Frequency AC in Generating Equipment Output. Commercial frequencies of 25 to 60 cycles per second output may be coupled for control purposes, but shall be limited to a value of 150 volts available only during periods of circuit operation.

64-302 Foot Switches. Switches operated by foot pressure shall be provided with a shield over the contact button to avoid accidental closing.

64-304 Remote Control. When remote controls are used for applying power, a "Local-Remote" switch shall be provided and interlocked so as to prevent the possibility of applying power from other than one selected control point.

64-306 Keying. Where high speed keying circuits dependent on the effect of "oscillator blocking" are employed, the peak radio frequency output voltage during the blocked portion of the cycle shall not exceed 100 volts.

64-308 Power Supply for Therapeutic Equipment

(1) Where portability is not essential, equipment shall be permanently installed.

(2) Where portability is essential, the power supply cord shall be 3-conductor at least Type SJ cord, having an ampacity not less than the marked rating of the equipment, and it shall be provided with an approved, 3-prong attachment plug, except that a 2-conductor cord and a 2-prong, parallel-blade plug may be used

on a device rated at 115 volts, 15 amperes or less and intended for use in offices, homes, or similar locations.

SECTION 66—SOUND-RECORDING, REPRODUCTION AND SIMILAR EQUIPMENT

66-000 Scope. This Section applies to installations of equipment and wiring used for sound recording and reproduction, centralized distribution of sound, public address, speech-input systems and electronic organs, and is supplementary to or amendatory of the general requirements of this Code.

66-002 Wiring Methods

(1) Except as modified by this Section, wiring and equipment from the source of power to and between devices connected to an interior wiring system shall comply with the requirements of this Code covering the particular locations involved.

(2) Conductors of different systems grouped in the same conduit or other metallic enclosure, or in portable cords or cables, shall comply with the following requirements:

- (a) Power-supply conductors shall be properly identified and shall be used solely for supplying power to the equipment to which the other conductors are connected;
- (b) Input leads to a motor-generator or rotary-converter shall be run separately from the output leads;
- (c) The conductors shall be insulated either individually, or collectively in groups, by insulation at least equivalent to that on the power-supply and other conductors, except where the power-supply and other conductors are separated by a lead sheath or other continuous metallic covering;
- (d) Flexible cords and cables shall be Type S, SJ, K, P or other type specifically approved for the purpose for which they are to be used;
- (e) The conductors of flexible cords, other than power-supply conductors, may be of a size not smaller than No. 26 AWG copper provided that such conductors are not in direct electrical connection with the power-supply conductors and are equipped with current limiting means so that the maximum power under any conditions will not exceed 150 watts;
- (f) Terminals shall be marked to show their proper connections;
- (g) Terminals for conductors other than power-supply conductors shall be separated from the terminals of the power-supply conductors by a spacing at least as great as that between power-supply terminals of opposite polarity.

66-004 Storage Batteries. Storage batteries shall comply with the requirements of Rules 26-542 to 26-550.

SECTION 68—SWIMMING POOLS

General

68-000 Scope

(1) This Section applies to:

- (a) The construction of swimming pools;
 - (b) The installation of electric wiring for equipment in or adjacent to swimming pools;
 - (c) Non-electrical metallic accessories in the pool or within 3 metres of the inside walls of the pool; and
 - (d) Electrical equipment such as lighting fixtures, pumps, filters and similar equipment associated with the swimming pool.
- (2) A swimming pool shall be deemed to include:
- (a) A pool constructed in such a manner that it cannot be readily disassembled for storage;
 - (b) A pool constructed in such a manner that it may be readily disassembled for storage and reassembled to its original integrity;
 - (c) A therapeutic pool;
 - (d) A wading pool; and
 - (e) A decorative pool which could be used as a wading pool, which is larger than 1.5 metres in any dimension, and which is readily accessible to the public.

(3) Electrical equipment or wiring shall not be installed in the water nor in the enclosing walls of a swimming pool, except as provided for in this Section.

(4) The requirements of this Section are supplementary to, or amendatory of, the general requirements of this Code.

68-002 Special Terminology. In this Section the following definitions shall apply:

- (a) **"Permanently installed swimming pool"** means a pool constructed in such a manner that it cannot be readily disassembled for storage;
- (b) **"Storable swimming pool"** means a pool constructed in such a manner that it may be readily disassembled for storage;
- (c) **"Forming shell"** means a metal structure intended for mounting in a swimming pool structure to support a wet-niche lighting fixture assembly and to provide a grounded metal shield which will reduce the likelihood of hazardous leakage currents in the pool water in the event of failure of the electrical insulation of the fixture assembly;
- (d) **"Wet-niche lighting fixture"** means a fixture intended for installation in a forming shell mounted in a swimming pool structure where the fixture will be completely surrounded by pool water;
- (e) **"Dry-niche lighting fixture"** means a fixture intended for installation in the wall of the pool

in a niche which is sealed against the entry of pool water by a fixed lens.

68-004 Supply Voltage

(1) Where a lighting fixture is of the wet-niche or submersible type, neither the supply voltage to the fixture or its associated ballast or transformer, if applicable, nor the secondary open-circuit voltage of this ballast or transformer shall exceed 150 volts during either starting or operating conditions.

(2) Where a lighting fixture is of the dry-niche type and is installed so as to be accessible from a walkway or a service tunnel outside the walls of the pool or from a closed, drained recess in the walls of the pool, neither the supply voltage to the fixture or its associated ballast or transformer shall exceed 300 volts during either starting or operating conditions.

68-006 Ground Fault Circuit Interrupters

(1) Except as permitted in Subrule (2) ground fault circuit interrupters required by the Rules of this Section shall be of the Class A type.

(2) Decorative pool pumps operating at voltages in excess of 150 volts-to-ground which are required by the Rules of this Section to be protected by a ground fault circuit interrupter, shall be protected by an approved interrupter which will clear a ground fault current within the time specified for a Class A interrupter.

(3) Ground fault circuit interrupters shall be permanently connected using an acceptable wiring method.

(4) Ground fault circuit interrupters may be applied to a feeder, a sub-feeder, or a branch circuit.

(5) A warning sign shall be located beside the switches controlling circuits electrically protected by ground fault circuit interrupters advising that the circuits are so protected and that the equipment shall be tested regularly.

(6) Ground fault circuit interrupters shall be installed in a location which will facilitate the testing required in Subrule (5) but not closer than 3 metres to the pool water.

68-008 Transformers and Transformer Enclosures

(1) Transformers, if exposed to the weather, shall have weatherproof enclosures.

(2) Transformers shall not be located within 3 metres of the inside wall of the pool unless suitably separated from the pool area by a fence, wall or other permanent barrier that will make the transformer not accessible to persons using the pool area.

68-010 Overhead Wiring

(1) No swimming pool shall be placed under or near overhead wiring and no overhead wiring shall

be placed over or near a swimming pool unless the installation complies with the requirements of this Rule.

(2) There shall not be any overhead wiring above the swimming pool, diving structure, observation stand, tower, or platform, or above the area extending 3 metres horizontally from the pool edge, unless it is impractical, in the opinion of the inspection department, to comply with this requirement, in which case conductors may be permitted as provided by Subrules (3) and (4).

(3) Insulated communication conductors and neutral supported cables operating at 600 volts or less may be located over a swimming pool, diving structure, observation stand, tower, or platform, or above the area extending 3 metres horizontally from the pool edge, providing there is a clearance (measured radially) of at least 4.5 metres.

(4) Conductors other than those covered by Subrule (3) and operating at not more than 50 kilovolts phase-to-phase may be located above a swimming pool, diving structure, observation stand, tower or platform, or above the area extending 3 metres horizontally from the pool edge, providing there is a clearance (measured radially) of at least 7.5 metres.

68-012 Underground Wiring. No swimming pool shall be located within 1.5 metres of any underground wiring nor shall underground conductors including communication conductors be located within 1.5 metres of the inside walls of a swimming pool except for bonding conductors or conductors supplying electrical equipment associated with the pool and protected by a ground fault circuit interrupter.

Underwater Sound Systems

68-050 Installation of Speakers. Each loudspeaker shall be mounted in a recess in the wall or floor of the pool and shall be enclosed by a separate, rigid, corrosion-resistant metal screen.

68-052 Audio Isolation Transformer

(1) One or more audio isolation transformers shall be connected between the audio output terminals of each amplifier and any loudspeaker and located adjacent to the amplifier with which it is used.

(2) The audio isolation transformer referred to in Subrule (1) shall be specifically approved for the purpose and so marked.

(3) A metal shield, if provided between the primary and secondary windings of an audio isolation transformer shall be grounded.

68-054 Audio Output Voltage. The audio output voltage shall not exceed 100 volts.

68-056 Ground Fault Protection. A ground fault circuit interrupter of the Class A Type shall be provided in the branch circuit to which the amplifier is connected.

68-058 Wiring. Wiring between the speaker and the audio isolation transformers shall be ungrounded.

Permanently Installed Swimming Pools

68-100 Wiring Method

(1) Rigid conduit of copper or other corrosion-resistant metal or rigid PVC conduit, shall be provided between the forming shell of fixtures installed below the pool surface and the junction box referred to in Rule 68-102.

(2) The wiring method between the wet-niche fixtures and the junction boxes referred to in Rule 68-102 shall be flexible cord suitable for use in wet locations and supplied as a part of the fixture.

(3) Where Subrules (1) and (2) do not apply, any suitable wiring method specified in Section 12 may be used.

(4) Conductors on the load side of each ground fault circuit interrupter shall be kept entirely independent of all other wiring and shall not enter a fixture, raceway, box, or cabinet occupied by other wiring except for the panelboards which house the interrupters.

(5) Conduits in the walls and deck of the swimming pool shall be installed so that suitable drainage is provided.

68-102 Junction Boxes

(1) Junction boxes may be submerged in decorative pools provided the boxes are approved and marked for such usage.

(2) Junction boxes installed on the supply side of conduits extending to forming shells, referred to hereinafter as deck boxes shall be approved for the purpose.

(3) Deck boxes shall be provided with a means for independently terminating at least three grounding conductors inside the box and one No. 6 grounding conductor outside the box.

(4) Deck boxes shall not contain the conductors of any circuits other than those used exclusively to supply the underwater equipment.

(5) Deck boxes shall be provided with electrical continuity between every connected metallic conduit and the grounding terminals by means of copper, brass or other approved corrosion-resistant metal that is integral with the box.

(6) Deck boxes shall be installed:

- (a) Above the normal water level of the pool.
- (b) So that the top of the box is located at or above the finished level of the pool deck; and
- (c) In such a manner or location that the box will not be an obstacle and such that any water on the deck will drain away from the box.

(7) Junction boxes and /or conduit shall be watertight and provided with an approved packing seal that will seal around the cord and effectively pre-

vent water from entering the box through the conduit from the forming shell.

(8) Junction boxes and conduit shall be intended and approved for use with each other and for their application.

68-104 Grounding and Bonding

(1) The metal parts of the pool and of other non-electrical equipment associated with the pool such as piping, pool reinforcing steel, ladders, diving board supports, and fences within 1.5 metres of the pool shall be bonded together and connected to non-current-carrying metal parts of electrical equipment such as decorative type pool lighting fixtures not located in a forming shell, forming shells, metal screens or shields for underwater speakers, conduit, junction boxes and the like by a copper conductor not smaller than No. 6 AWG.

(2) Metallic sheaths and raceways shall not be relied upon as the grounding medium and a separate copper grounding conductor shall be used, except that a metallic conduit between a forming shell and its associated junction box may be used as the grounding medium providing the forming shell and junction box are installed in the same structural section.

(3) The grounding conductor from the junction box referred to in Rule 68-102 shall be run to the main distribution panelboard, and if smaller than No. 6 AWG, shall be installed and protected in the same manner as the circuit conductors.

(4) The size of the grounding conductor shall be in accordance with Rules 10-806, 10-808, 10-812 except that:

- (a) The grounding conductor in the flexible cord for a wet-niche fixture shall be copper and not smaller than No. 14 AWG;
- (b) The grounding conductor from the junction box referred to in Rule 68-102 to the main distribution panelboard shall be copper and not smaller than No. 14 AWG if installed and protected in the same manner as the circuit conductors; and
- (c) In addition to the grounding conductor required in Paragraph (a) where rigid PVC conduit is used between the forming shell of the wet-niche fixture and the junction box referred to in Rule 68-102, an insulated No. 8 AWG copper bonding conductor shall be installed in the conduit and terminated in the forming shell and the junction box.

(5) Structural reinforcing steel shall be connected to a common ground, with a minimum of four connections equally divided around the perimeter.

68-106 Receptacles

(1) Receptacles shall not be located within 1.5 metres of the inside walls of the swimming pool.

(2) Receptacles located between 1.5 metres and 3 metres of the inside walls of a swimming pool shall be protected by a ground fault circuit interrupter in accordance with Rule 68-006.

(3) In maintaining the dimensions referred to in this Rule, the distance to be measured is the shortest path which the supply cord of an appliance connected to the receptacle would follow without piercing a building floor, wall, or ceiling.

68-108 Lighting Fixtures

(1) Wet-niche or submersible fixtures shall comply with the following:

- (a) Except for decorative pools, approved forming shells shall be installed for the mounting of all fixtures and shall have provision for a threaded connection to rigid metallic conduit; and
- (b) Unless specifically approved and marked for submersion at a greater depth, fixtures shall not be submersed in the pool water at a depth of more than 600 millimetres, such distance being measured from the centre of the face lens of the fixture to the normal water level.

(2) Dry-niche fixtures shall be accessible for maintenance:

- (a) From a service tunnel or walkway outside the walls of the pool; or
- (b) Through a handhole in the deck of the pool to a closed, drained recess in the wall of the pool.

(3) Dry-niche fixtures shall have approved glass windows and metal face rings.

(4) Metal parts of fixtures in contact with the pool water shall be of brass or other suitable corrosion-resistant metal.

(5) Lighting fixtures installed below or within 3 metres of the pool surface shall be electrically protected by a ground fault circuit interrupter.

(6) Standards or supports for lighting fixtures shall not be installed within 3 metres of the inside walls of a swimming pool unless the circuits supplying such fixtures are electrically protected by ground fault circuit interrupters.

68-110 Electrical Equipment Other Than Lighting.

Ground fault circuit interrupters shall be provided on circuits supplying:

- (a) Electrical equipment placed in the water in the pool;
- (b) Electrical equipment located within the confines of the pool walls or within 3 metres of the inside walls of the pool and not suitably separated from the pool area by a fence, wall or other permanent barrier; or

- (c) Receptacles or appliances located in wet areas of the building and associated with the swimming pool such as locker and change-rooms.

Storable Swimming Pools

68-200 Electrical Equipment. No electrical equipment shall be located in the pool water, nor mounted on the pool walls.

68-202 Lighting Fixtures. All lighting fixtures installed within 3 metres of the pool walls shall be supplied from circuits protected by a ground fault circuit interrupter.

68-204 Pumps. Swimming pool pumps located within 3 metres of the pool walls shall be:

- (a) Approved for the purpose;
- (b) Supplied from a permanently installed receptacle located not closer than 1.5 metres nor more than 7.5 metres from the pool wall; and
- (c) Supplied from a branch circuit which is electrically protected by a ground fault circuit interrupter.

Therapeutic Pools

68-300 Therapeutic Pools. All factory-built therapeutic pools and tubs and their associated electrical components and accessories shall be approved for the purpose and shall be supplied from a circuit protected by a ground fault circuit interrupter.

SECTION 70—ELECTRICAL REQUIREMENTS FOR FACTORY-BUILT RELOCATABLE STRUCTURES AND NON-RELOCATABLE STRUCTURES

Scope

70-000 Scope

(1) Rules 70-100 to 70-130 apply to relocatable structures (factory-built) towable on their own chassis, for use without permanent foundations having provision for connection to utilities and include:

- (a) Mobile homes; and
- (b) Mobile commercial and industrial structures.

(2) Rules 70-200 to 70-204 apply to non-relocatable structures (factory built) for use on permanent foundations and include:

- (a) Housing (residential); and
- (b) Commercial and industrial structures.

(3) These Rules do not apply to recreational vehicles covered by CSA Standard C22.2 No. 148/Z240.6.2-1980, Electrical Requirements for Recreational Vehicles.

(4) This Section is supplementary to or amendatory of the general requirements of this Code.

Relocatable Structures

70-100 Equipment. Electrical components including those connected in Class 1 extra-low-voltage power circuits (e.g. lighting fixtures) and in Class 2 extra-low-voltage circuits shall conform with the requirements of the Canadian Electrical Code Part II and be suitable for the application.

70-102 Method of Connection

(1) Subject to the conditions of Subrule (2) of this rule, the method of connection to the supply circuit shall be:

- (a) Connection to an overhead or underground supply;
- (b) Power supply cord set; or
- (c) A length of flexible cord or cable without an attachment plug.

(2) For mobile homes the method of connection to the power supply shall be directly to an overhead or underground supply, except by special permission.

70-104 Connection to an Overhead or Underground Supply

(1) Where the supply connection is directly to an overhead or underground supply a conduit nipple or a length of rigid conduit shall be provided and shall:

- (a) Project from the structure through the exterior wall, roof, or floor to permit attachment of a conduit fitting;
- (b) Have a suitable cap on the exposed end;
- (c) Terminate at the disconnecting means, at an intermediate box, or, for other than mobile homes, at the distribution equipment if a disconnecting means is not provided; and
- (d) Be of sufficient size to accommodate copper conductors of a calculated ampacity for the load involved, except:
 - (i) where the structure is specifically designed for connection by conductors other than copper; or
 - (ii) as specified in Subrule (3).

(2) For mobile homes the conduit shall project so that it is readily accessible for power supply connection.

(3) For mobile homes the size of conduit shall not be less than that specified in Table 48.

(4) Where it is intended or it is likely that the system grounding conductor be run separately, a non-metallic raceway shall be installed at the time of manufacture for this purpose.

70-106 Service for Communication Systems. All mobile homes shall be provided with a length of metal conduit, 1/2-inch or larger, for use as a communication service which shall:

- (a) Project from the structure a minimum of 75 millimetres through the floor;
- (b) Terminate at least 300 millimetres above the finished floor in a wall or partition in a standard metallic switch or outlet box complete with cover;
- (c) Be bonded to the frame of the mobile home; and
- (d) Have a suitable cap on the exposed end of the conduit stub.

70-108 Power Supply Cord or Cord Set

(1) Where a power supply cord or cord set is used except as provided for in Subrule (4) the cord shall:

- (a) Be provided as part of the mobile vehicle;
- (b) Have an ampacity not less than the ampere rating of the attachment plug;
- (c) Be of the extra hard usage type suitable for outdoor use as specified in Table 11;
- (d) Have separate identified and grounding conductors;
- (e) Be not less than 7.5 metres in length, as measured from the attachment plug to the point of entrance to the unit;
- (f) If a permanently connected power supply cord terminates at the main disconnecting means in the unit or at a box in or on the unit, suitable space shall be provided in the unit for storage of the cord when not in use to protect it from damage; and
- (g) Have a suitable grounding type attachment plug having an ampere rating not less than that of the service conductor ampacity required by Section 8 for applications specified therein, or that for which it is approved for other applications.

(2) Bushings of rubber, unless of an oil-resistant compound, shall not be used where they are so located as to be exposed to mechanical injury.

(3) Where a cord set is used a male receptacle is to be provided on the unit which shall:

- (a) Be of weatherproof construction unless adequately protected or enclosed;
- (b) Have a contact arrangement which will mate with the cord connector on the cord; and
- (c) Have a current rating not less than that of the main overcurrent protection.

(4) By special permission as provided for in Rule 70-102 (2), a cord or cord set may be used for mobile homes provided they:

- (a) Are not smaller than No. 6 AWG;
- (b) Have an attachment plug moulded to the cord with configuration designated as CSA 14-50P (3-pole, 4-wire, 125/250 volt, 50 amperes); and
- (c) Enter where it will not be subject to mechanical damage.

70-110 Disconnecting Means and Main Overcurrent Protection

(1) Except as provided for in Subrule (2) each structure shall be provided with:

- (a) A service box or a combined service and distribution box located within the structure with provision for grounding the neutral;
- (b) Main overcurrent protection having a current rating at least equal to the minimum ampacity of the consumer's service as determined in accordance with Section 8 but in no case less than 50 amperes for mobile homes and not exceeding the ampacity of the supply conductors actually used except as permitted by Rule 14-058; and
- (c) The identified conductor shall be:
 - (i) Connected to ground within the mobile structure if a power supply cord or cord set is not provided; or
 - (ii) Isolated from ground if a power supply cord or cord set is used.

(2) For other than mobile homes the structure may be provided with distribution equipment in lieu of the type of service equipment listed in Subrule (1) where such service equipment is provided in the supply to the unit.

70-112 Location of Service or Distribution Equipment.

Service or distribution equipment shall be:

- (a) Readily accessible;
- (b) Not located in clothes closets unless in its own compartment, in bathrooms, in stairways, or in any similar or undersirable location;
- (c) Within the structure with consideration being given to the possibility of the formation of condensation;
- (d) As close as practicable to the point where the supply conductors enter the structure; and
- (e) Of the circuit-breaker type if in other than extra-low-voltage circuits and if mounted less than 1.5 metres above the floor in which case it shall be protected from mechanical injury.

70-114 Wiring Methods—General

(1) The wiring method shall be as specified in Section 12 except where flexible cords are permitted in Rule 70-118 or for Class 2 circuits.

(2) Surfaces against which conductors are in contact shall be smooth and entirely free from sharp edges and burrs which may cause abrasion of the insulation of the conductors.

(3) Where cable is required to be protected from mechanical injury by Rules 12-616, 12-716, and 12-812 plates or tubes of sheet steel of at least No. 16 MSG or the equivalent, secured in place, shall be used to protect the cable from driven nails, screws or staples.

(4) Cable run through holes in joists or studs shall be considered to be secured for purposes of Rules 12-610 and 12-718.

(5) Unless provided with insulation suitable for the highest voltage involved, insulated conductors of low voltage and extra-low voltage circuits shall be separated by barriers, or shall be segregated by clamping, routing, or equivalent means which will ensure permanent separation and shall in any case be so separated or segregated from bare live parts of the other circuit.

(6) For purposes of Subrule (5) the jacket of non-metallic sheathed cable shall be considered to be a suitable barrier.

(7) Bare live parts, including terminals of electrical equipment in extra-low-voltage circuits other than Class 2 circuits shall be enclosed in accordance with Rule 2-202 (1).

(8) Conductors for extra-low-voltage Class 2 circuits shall be Type LVT, low-energy safety control cable or equivalent and if protected by fuses, in accordance with Rule 16-200, the fuses shall not be interchangeable with those of higher ratings.

70-116 Wiring Methods, Swing-out and Expandable Room Sections

(1) The means used to make electrical connections between a swing-out or expandable room section and the wiring in the main section of the structure shall be located or protected so that there is no likelihood of damage to the interconnecting means when the section is extended or retracted or when the structure is in transit.

(2) A flexible cord or power supply cable shall be used as an interconnecting means where flexibility is involved and shall:

- (a) Be of the extra-hard usage type;
- (b) Have an ampacity suitable for the connected load but in no case be smaller than No. 14 AWG;
- (c) Be of the outdoor type if it has thermoplastic insulation or is exposed to the weather; and

(d) Incorporate a grounding conductor.

(3) A plug, connector, or fitting used in conjunction with a flexible cord for electrical interconnections shall have an electrical rating suitable for the maximum connected load and if located outside of the mobile home shall be protected from the weather or other adverse conditions (including when the structure is in transit).

70-118 Wiring Methods, Multiple Section Mobile Units

(1) Provision shall be made for interconnection of circuits in each section of multiple section units.

(2) The means for interconnection shall be such that no bare live parts of a low-voltage circuit are exposed to accidental contact should any section be temporarily energized before the other sections are in place.

70-120 Branch Circuits, Mobile Homes

(1) Circuits other than those referred to in Rules 26-748, 26-752, 26-806, 26-808 and 62-108 supplying permanently connected appliances may have additional outlets, but not receptacles, provided that these outlets are for fans, stationary lighting fixtures, or similar permanently connected appliances.

(2) The outlets referred to in Subrule (1) shall be considered to have a demand of 1 ampere each, except where the load is known to be greater, and in no case shall the total load exceed 80 per cent of the rating of the overcurrent device protecting the circuit.

(3) Notwithstanding Rule 8-104, a circuit supplying an electric water heater having an input not more than 1,500 watts at 115 volts or 3,000 watts at 230 volts may have overcurrent protection rated or set at 15 amperes.

(4) In determining compliance with Rule 62-108 (2), fans on oil or gas heaters which are not required for the operation of the heaters and are rated not more than 3 amperes, are not required to be on individual branch circuits.

70-122 Receptacles and Switches

(1) In applying Rule 26-702 (1), a hallway need not be considered as a room.

(2) The receptacles required by Rule 26-702 (4) to be installed at counter or table height shall be located not less than 750 millimetres and not more than 1.2 metres above the floor.

(3) Receptacles shall not be mounted facing up in horizontal surfaces in kitchen or dining areas.

(4) For the purpose of Rule 26-702 (7), a "bathroom" shall be a room containing a bathtub and/or a shower.

(5) Switches of the pull-type including those for fans and lights shall conform with Rule 30-610.

(6) Where a ceiling mounted, rigid lighting fixture or lampholder is located at a height of less than 2 metres above the floor and is readily accessible, the fixture or lampholder shall be protected from mechanical injury, by a guard or by location.

(7) Notwithstanding Rule 26-702 (12), a receptacle installed on the underside of a mobile home, intended for the use of electric heating for plumbing pipes, need not be protected by a ground fault circuit interrupter if the receptacle is located within 600 millimetres of the cold water inlet and at least 900 millimetres from the outside edge of the mobile home.

70-124 Ventilating Fans Used in Kitchen Areas

(1) The motor of any fan installed in the kitchen area above or in the vicinity of cooking equipment and which is located in the air stream shall be of the totally-enclosed type unless specifically approved for this application.

(2) For purposes of Subrule (1) the "area above or in the vicinity of cooking equipment" shall be:

(a) That portion of any wall located within 1.2 metres of the cooking surface, as measured from any point on the cooking surface, regardless of the height of such walls; and

(b) That portion of the ceiling defined by a rectangle having sides parallel to the edges of the cooking surface and located within 1.2 metres of a vertical projection of the cooking surface, as measured from any point on this projection, regardless of the height of such ceiling.

(3) For purposes of Subrule (2), the "cooking surface" of a built-in oven is the area of a bottom-hinged door of a size required to close the oven opening, when such a door is in the fully-opened (horizontal) position and for a freestanding stove or range (with or without an oven) or a built-in counter top surface element unit, the "cooking surface" is the entire top surface of the unit, including the back-splash (if any).

(4) For the purposes of Subrules (1), (2), and (3) if any full-height wall or partition is located within the space defined above, the space beyond this full height is not included in this restriction.

70-126 Grounding and Bonding

(1) All major exposed metal parts that may become energized, including the water, gas, and waste plumbing, the roof and outer metallic covering, the chassis and metallic circulating air ducts shall be in good electrical contact with one another and with the termination of the grounding conductor of the supply circuit at the disconnecting means for the purpose of grounding and bonding.

(2) The metallic roof and exterior covering shall be considered bonded as required by Subrule (1):

(a) If the metal panels overlap one another and are securely attached to the wood or metal frame parts by metallic fasteners; and

(b) If bonded to the chassis by metallic fasteners or by a metal strap.

(3) All exposed non-current carrying metal parts of a swing-out or expandable room section shall be reliably bonded to the exposed non-current carrying metal parts of the main section of the mobile unit.

(4) The grounding conductors of the low voltage wiring system other than the chassis shall not be used to carry current of any extra-low potential circuit.

(5) Grounding and bonding connections and terminals shall be:

(a) Made of non-ferrous metal or plated steel;

(b) Used for no other purpose than grounding or bonding except for bonding between the chassis and skin where assembly screws may be used;

(c) Protected from mechanical injury; and

(d) Shall be readily accessible for inspection and maintenance.

(6) Bare grounding and bonding conductors shall be located so that there is no danger of contact with live parts but if their location or flexibility is such that separation from live parts is not assured they shall be insulated by taping or sleeving.

(7) A bonding conductor between the chassis and the distribution panel may be insulated or bare and shall:

(a) Be of copper and be protected from salt spray;

(b) Be of a size not smaller than that specified in Table 41 for a structure having a rated input current corresponding to the ampere values specified in Column 1 of that Table;

(c) Be so located that they will not be subject to mechanical injury; and

(d) Be suitably secured within 300 millimetres of the attachment to the chassis.

(8) Bonding conductors other than those referred to in Subrule (7) shall have adequate ampacity but in no case less than that of a No. 14 AWG copper conductor.

70-128 Marking

(1) Units to which the main power supply connection is made shall be marked in a permanent manner in a place where the details will be readily visible with the following information as required by Rule 2-100.

(a) Manufacturer's name, trademark, tradename or other recognized symbol of identification;

(b) Model, style or type designation;

(c) Nominal voltage of the system to which the unit is to be connected (e.g. 120, 120/240, etc.);

(d) Rated frequency;

(e) Rated input current in amperes.

(2) For purposes of Paragraph (e) of Subrule (1) the rated input current in amperes shall be:

(a) The ampere rating of the main overcurrent protection, if provided;

(b) The ampere rating of the distribution equipment, if no main overcurrent protection and no power supply cord are provided; or

(c) The ampere rating of the attachment plug if provided.

(3) Markings adjacent to the main and branch circuit overcurrent devices shall be provided in accordance with Rule 2-100 (3).

(4) For multiple section mobile homes, or structures, each section shall be suitably and permanently marked to identify the other sections to be used with it to form a single structure.

(5) Unless it is otherwise clearly evident, instructions shall be provided on the main section of multiple section mobile homes or structures to indicate the interconnections necessary to complete the installation.

70-130 Tests

(1) The following tests shall be performed on the complete assembly at the factory:

(a) **Continuity.** All circuits, including grounding circuits shall be tested for continuity;

(b) **Insulation Resistance.** The insulation resistance between live parts and ground at the completion of a one-minute application of a 500 volt dc test voltage shall be not less than that specified in Table 24.

(2) As an alternative to the insulation resistance test specified in Subrule (1) (b), an ac dielectric strength test may be performed, in which case an ac voltage of 900 volts shall be applied for 1 minute (or 1,080 volts for 1 second) between all live parts and non-current carrying metal parts without breakdown occurring.

(3) In performing either the insulation resistance or the dielectric strength test, the neutral shall be disconnected from ground for the test and be re-connected afterwards.

Non-Relocatable Structures (Factory Built)

70-200 General. Rules 70-100, 70-112, 70-114, 70-118, 70-122, 70-124, 70-126, 70-128 and 70-130 shall also apply to non-relocatable structures.

70-202 Connection to Overhead and Underground Supply

Provision shall be made at the factory for the electricians in the structure to be connected either to an overhead or underground power supply through conduit nipples or equivalent and supports which shall:

(a) Be of sufficient size to accommodate conductors having the minimum ampacity determined by Section 8 of this Code; and

(b) Be limited in number to meet the limitations set out in Rules 6-100 and 6-200.

70-204 Service and Distribution Equipment

(1) Provision shall be made at the factory for the installation either at the factory or on the job site of a service box or other approved service equipment in the structure which shall be:

(a) In a readily accessible location within the building;

(b) As close as practicable to the point where the service conductors enter the building; and

(c) Within the individual units where multiple occupancy residential condominium or row house structures are involved; or

(d) In a central location accessible to all tenants in all other cases.

(2) Each complete structure shall be provided with distribution equipment.

SECTION 72 — MOBILE HOME AND RECREATIONAL VEHICLE PARKS

Scope and Application

72-000 Scope

(1) Rules 72-100 to 72-114 apply to services and distribution facilities for mobile home and recreational vehicle parks.

(2) This Section is supplementary to or amendatory of the general requirements of this Code.

General

72-100 Service. Each mobile home and recreational vehicle park and/or consumer service shall be provided with service equipment in accordance with the applicable requirements of Section 6 of this Code.

72-102 Demand Factors for Service and Feeder Conductors

(1) The minimum ampacity of the consumer service and feeder conductors for mobile home parks shall be based on the requirements of Rules 8-200 and 8-202.

(2) The minimum ampacity of the consumer service and feeder conductors in the case of recreational vehicle parks shall be calculated on the basis of the ampere rating of the receptacles and applying the following demand factors:

(a) 100 per cent of the sum of the first 5 receptacles having the highest ampere ratings; plus

(b) 75 per cent of the sum of the ampere ratings of the next 10 receptacles having the same or

next smaller ratings to those specified in Paragraph (a); plus

(c) 50 per cent of the sum of the ampere ratings of the next 10 receptacles having the same or next smaller ratings to those specified in Paragraph (b); plus

(d) 25 per cent of the sum of the ampere ratings of the remainder of the receptacles.

(3) Where 3 wire circuits are involved in the application of Subrule (2) consideration shall be given to the distribution of 2-pole receptacles on each half of the circuit.

72-104 Feeders. Feeders between the park consumer's service equipment and the park distribution centres shall be installed in accordance with the applicable requirements for service conductors.

72-106 Overcurrent Devices and Disconnecting Means for Recreational Vehicles

(1) The circuit for each receptacle for a recreational vehicle lot shall be preceded by an individual overcurrent device not exceeding the rating of the receptacle involved and by a suitable disconnecting means.

(2) The disconnecting means shall be accessible.

72-108 Overcurrent Devices and Disconnecting Means for Mobile Homes

(1) The circuit for each mobile home lot shall be preceded by an individual overcurrent device not exceeding the rating of the equipment involved and by a suitable disconnecting means.

(2) All supply facilities for overcurrent devices and disconnecting means for mobile homes shall be within enclosures of weatherproof construction if installed outdoors.

(3) The disconnecting means shall be accessible.

72-110 Connection Facilities for Recreational Vehicles and Mobile Homes

(1) Where receptacles are installed on recreational vehicle lots, they shall be of the following types:

(a) A 15 ampere, 125 volt, 2-pole, 3-wire type 5-15R receptacle; or

(b) A 30 ampere, 125 volt, 2-pole, 3-wire ANSI configuration C73.13-1966 (R1972) receptacle; or

(c) A 50 ampere, 125/250 volt, 3-pole, 4-wire type 14-50R receptacle.

(2) Each mobile home lot shall have provision for a permanent connection to the mobile unit except that for mobile homes having main overcurrent protection of 50 amperes, a 50 ampere 125/250 volt, 3-pole, 4-wire type 14-50R receptacle may be used by special permission.

(3) Receptacles when mounted in other than a horizontal plane shall be oriented so that the U-ground slot is uppermost.

72-112 Power Supply Cords

(1) Power supply cords may only be used for the connection of recreational vehicles where the cords are not subject to severe physical abuse or extended periods of use.

(2) Power supply cords or cord sets may only be used for the connection of a mobile home when the lot is equipped with a 50 ampere, 3-pole, 4-wire type 14-50R receptacle and acceptance by the authority enforcing this code has been granted on a special permission basis.

72-114 Grounding. Electrical equipment shall be grounded in conformity with Section 10.

SECTION 74—AIRPORT INSTALLATIONS

74-000 Scope

(1) This Section applies to the installation of runway, taxiway, and approach lighting and wiring.

(2) The requirements of this Section are supplementary to or amendatory of the general requirements of this Code.

74-002 Special Terminology. In this Section the following definitions apply:

(a) "Ground counterpoise" means a grounding conductor installed over lighting cables for the purpose of interconnecting the system ground electrodes and providing lightning protection for the cables;

(b) "Ground anchor" means a steel post set into the ground and supporting the lighting fixture.

74-004 Conductors Buried in Earth

(1) For aircraft and vehicle visual aid systems on public areas of airports, or which extend beyond airport property, the installation of buried cables shall be in accordance with the requirements of Rule 12-012.

(2) For installations covered by this Section of the Code, in areas not accessible to the public, single conductors and cable assemblies shall be of the type indicated in Table 19 as suitable for direct earth burial and shall be installed as follows:

(a) In a trench not less 450 millimetres deep and with a layer of sand or screened earth extending at least 75 millimetres above and below the conductors, if in rocky or stoney ground;

(b) Under runways, taxiways, aprons and roads, with a minimum mechanical protection of rigid conduit or a system of concrete encased underground raceways installed a minimum of 600 millimetres deep.

(3) Series cables for 6.6 ampere systems directly buried in a trench shall have at least:

- (a) 75 millimetres lateral separation between cables of different series circuits;
- (b) 300 millimetres lateral separation from low-voltage and control cables;
- (c) 75 millimetres vertical separation in cross-overs on the same system; and
- (d) 300 millimetres vertical separation from low-voltage cables crossing over, with the low-voltage cables in the upper position.

74-006 Direct Burial Transformers

(1) Series isolating transformers shall be installed in the trench so that a minimum depth of 450 millimetres is provided for the points of entry of the primary cable.

(2) The secondary conductors shall be colour coded, one conductor being identified.

(3) The secondary connectors shall be polarized with the identified conductor connected to the larger pin or receptacle.

(4) The identified conductor shall be grounded.

74-008 Series Lighting System. Series lighting systems shall be installed with a ground counterpoise.

74-010 Ground Counterpoise

(1) Ground counterpoise conductors shall be soft copper wire not smaller than No. 8 AWG, and shall be:

- (a) Solid, bare wire where installed in earth; or
- (b) Insulated and have a green finish if installed underground in raceways.

(2) The ground counterpoise when installed in earth shall be:

- (a) Placed 75 millimetres above all cable in a trench;
- (b) Run in a zig-zag pattern when outer cables are more than 150 millimetres apart, crossing cables at 300 millimetre intervals measured along the trench;
- (c) Placed 75 millimetres over non-metallic conduit containing groups of cables; and
- (d) Placed under any protective covering used.

(3) The counterpoise shall be connected to:

- (a) The ground anchor of each anchor-mounted light unit;
- (b) The grounded secondary conductor of each series isolating transformer;
- (c) The sheath of metal sheathed and the armour of armoured cables where used to supply light units;

(d) The ground electrodes at all regulators, towers, lighting equipment that the counterpoise system serves; and

(e) The ground electrode in each manhole through which the counterpoise conductor passes.

(4) Where counterpoise conductors of different systems come together or cross each other they shall be bonded together at those points.

SECTION 75—INSTALLATION OF LINES AND WIRING OF BUILDINGS

75-000 Scope

(1) This section shall apply to installations of primary and secondary lines and the wiring of farm type installations and other similar installations, except for lines owned by utilities.

(2) This section is supplementary to and not exclusive of the other requirements of this Code.

75-002 Definitions. In this Section:

(a) "power conductor" means a conductor which conveys electrical power or energy and is not part of a communication circuit;

(b) "distribution system" means the system by which electrical power or energy is distributed to the receiving equipment and includes components such as primary line, secondary line, services, distribution transformers, distribution equipment and other equipment of similar nature;

(c) "A.M.E.U." means an Association of Municipal Electrical Utilities;

(d) "authorized person" means a qualified person holding a certificate of qualification recognized by the Province of Ontario as a journeyman electrician and who by the nature of his duties or occupation is obliged to approach or handle electrical equipment;

(e) "primary line" means a distribution system operating at more than 750 volts but not more than 50,000 volts phase to phase;

(f) "secondary line" means a distribution system operating at 750 volts or less phase to phase;

(g) "neutral supported cable" means two or three insulated conductors and a bare neutral;

(h) "A.C.S.R." means aluminum conductor, steel reinforced;

(i) "open wire bus" means a secondary line conductor with a weatherproof covering on the phase conductors and includes a bare neutral;

- (j) "supply authority" means any person, firm, corporation, company, commission or other organization supplying electric energy;
- (k) "classified" means poles graded according to strength whereby the minimum circumferential dimensions are so determined that all poles of the same class, regardless of length, will withstand the same horizontal force applied 0.6 metres from the top of the pole when supported 1.8 metres from the butt end in accordance with C.S.A. standards 015 series;
- (l) "A.C.A." means wood poles treated with ammoniacal copper arsenate;
- (m) "penta" means wood poles treated with pentachlorophenol.

75-004 General Requirements

(1) Every installation under this section shall be inspected in accordance with Section 2 of this Code.

(2) Where the work consists of the installation of a service, the contractor shall consult the local supply authority as to the layout of the service and the location of the transformer and meter.

(3) Where the work consists of the installation of conductors over or under a railway, the contractor shall submit to the inspector a plan of the crossing endorsed by the railway company with an approval of the work.

(4) Where a distribution system or part thereof is to be installed underground or underwater, the contractor shall submit to an inspector and obtain his approval of the plans and specifications with respect to the distribution system.

(5) Where approval is required by the inspector or the supply authority, such approval shall be obtained prior to commencement of any work with respect to the installation.

(6) Some farm installations encountered will be larger than some commercial installations and may be judged by the inspector on the amount of material processed and the total time per day that the equipment is used. If the inspector determines so, such farm installations shall be treated as commercial installations.

75-006 Disconnection of Live Supply

(1) Subject to Subrule (2), no person shall do any work on a distribution system until such distribution system has been disconnected from its source of supply and de-energized and the conductors relating to the distribution system have been properly grounded.

(2) No repairs or alterations shall be carried out on any live equipment except where complete disconnection of the equipment is not practicable and the work is carried out by an authorized person.

(3) Where work is being done on a distribution system, adequate precautions, such as locks on circuit breakers or switches, warning notices, sentries or other equally effective means shall be taken to prevent the distribution system or any part thereof from being electrically charged.

75-008 Clearances between Power Conductors and Communication Circuits

(1) Electrical equipment, power conductors, communication circuits and equipment shall be so constructed and maintained as to create no undue hazard to previously installed facilities.

(2) Where power conductors and communication circuits are carried on separate parallel pole-lines, such lines shall be spaced apart a distance such that one line cannot fall upon the other line in the event of a breaking of a pole.

(3) Where pole lines cross such that the conductors of one circuit may fall upon the conductors of another circuit, the power conductors shall be installed such that the clearance between the upper conductors at maximum sag and the lower conductors is at least:

- (a) 1 metre in vertical distance above the conductors of the communication circuit where the line voltage is not more than 750 volts phase to phase; and
- (b) 2 metres above conductors of the communication circuit where the line voltage is more than 750 volts but not more than 50,000 volts phase to phase.

(4) Where power conductors and communication circuits are carried on the same pole, the power conductors shall be installed such that the clearance between the upper conductors at maximum sag and the lower conductor is at least:

- (a) 1 metre in vertical distance above the conductors of the communication circuits both at the pole and in the span, where the line voltage is not more than 750 volts phase to phase; and
- (b) 2 metres in vertical distance above the conductors of the communication circuits both at the pole and in the span, where the line voltage is more than 750 volts but not more than 50,000 volts phase to phase.

(5) Paragraph (a) of Subrules (3) and (4) shall not apply to a service span from a pole to a building.

75-010 Joint Use of Poles for Communications Circuits and Power Conductors. Power conductors and communication circuits shall not be carried on common poles unless the consent to the joint use of the

poles, in writing, is obtained from the supply authority and the operators of the communication circuits.

75-012 Location of Conductors on Primary Lines

(1) Where primary line conductors cross other conductors of lower voltage, the conductors of the circuit having the highest voltage shall be installed above such other conductors of lower voltage and the vertical clearance between the upper conductor at maximum sag and the lower conductor shall be at least 2.0 m.

(2) The neutral conductor associated with primary line shall be located a minimum of 2.0 m below the phase conductors and a minimum of 150mm below the transformer.

75-014 Clearances in Service Span. Where the voltage of power conductors is not more than 750 volts, the distance between the power conductors and a communication drop-wire in the service span from a pole to a building shall be not less than 300 millimetres.

75-016 Poles

(1) All secondary line, primary line and transformer poles shall be new, classified, and:

- (i) Butt-treated western cedar;
- (ii) Pressure treated pine; or
- (iii) Other material and type acceptable to the supply authority and the inspector.

(2) The following pole "Species—Treatment" combinations are acceptable for new installations:

- (i) Western Cedar—A.C.A.;
- (ii) Red Pine—Penta;
- (iii) Scotch Pine—Penta;
- (iv) Jack Pine—Penta;
- (v) Western Cedar—Butt Treated Creosote;
- (vi) Any other pole species—Treatment combinations, not listed above, shall require prior approval by the inspector.

(3)(a) A transformer pole shall be a minimum of class 5 and in accordance with the requirements of Table 100.

(b) A single phase primary line pole or a secondary line pole shall be a minimum of class 7.

(c) A three phase primary line pole shall be a minimum of class 5.

(4) All poles shall have:

(a) Butt marking showing:

- (i) Type of wood or material,
- (ii) Supplier's code or trademark, and
- (iii) Class and length;

(b) Side marking located $1.80 \pm 0.05\text{m}$ above the groundline.

(c) Side marking shall include:

- (i) Treatment plant,
- (ii) Class and length,
- (iii) Type of wood,
- (iv) Last 2 numerals of year of treatment, and
- (v) Preservation code letter.

(5) Notwithstanding Subrules (1) and (4), Eastern Cedar poles may be used for secondary line construction on the load side of the service entrance equipment. The minimum acceptable pole top diameter shall be 125 millimetres and minimum acceptable circumference from the butt end shall be in accordance with Table 101.

(6) Notwithstanding subrule 1 of this rule, special consideration shall be given to the re-use of pressure treated pine and butt treated western cedar for new primary lines provided the poles are classified, not more than 10 years old and have no visible signs of damage.

(7) Notwithstanding subrule 1 of this rule, a used pole may only be used on secondary lines after its condition has been checked by an inspector and before the pole is set in the ground.

75-018 Length of Poles. Subject to Rule 75-026, the minimum length of poles shall be:

(1) Every pole in primary line on which a transformer is mounted shall be at least 12.5 metres long.

(2) Every pole in a primary line other than a transformer pole shall be at least 11.0 metres long.

(3) Every pole in a secondary line shall be at least 9.5 metres long.

(4) Notwithstanding Subrules (1), (2) and (3), in case of rock pole mounts approved in accordance with Rule 75-020 (5) (b) the above pole lengths can be reduced by 1.5 metres.

75-020 Setting of Poles

(1) Where a pole having a length shown in column 1 of Table 102 is set in earth, the butt end of the pole

shall be buried to a depth at least that prescribed in column 2 of the Table.

(2) Where a pole having a length shown in column 1 of Table 102 is set in solid rock, the butt end of the pole shall be buried to a depth at least that shown in column 2 of the Table less 300 millimetres.

(3) Where poles are installed on slopes or hill-sides, the depth of the hole shall be measured from the lower side of the opening.

(4) Corner and dead-end poles shall be raked towards the anchor in accordance with Table 109.

(5) Where it is impossible to employ the above methods:

(a) Poles shall be cribbed as in specification 27; or

(b) Pole mounts are acceptable on rock subject to the approval of the supply authority.

75-022 Pole Spans and Framing

(1) Poles used in secondary lines shall be placed not more than 40 metres apart.

(2) Subject to Subrule (3), poles used in primary lines shall be placed not more than 90 metres apart.

(3) Poles used in primary lines shall be placed as per following specifications:

Specification—28—Primary, 1 phase, 16 kilovolts max., vertical.

Specification—29—Primary, 3 phase, 50 kilovolts max., crossarm.

Specification—30—Primary, 3 phase, 50 kilovolts max., vertical dead end and vertical corner.

Specification—31—Primary, 3 phase, 50 kilovolts max., crossarm dead end.

Specification—32—Primary, 3 phase, 50 kilovolts max., armless (improved appearance).

75-024 Span with Secondary Service Line Attached to Building

(1) Subject to Subrule (2), the span from the point where the secondary service line is attached to a building to the nearest pole shall not be longer than:

(a) 40 metres for size No. 3/0 AWG and smaller of neutral supported cables types NS-1 and NSF-2; and

(b) 30 metres for size No. 4/0 AWG of neutral supported cables types NS-1 and NSF-2.

(2) The span from the point where the secondary overhead service line is attached to a mobile home or similar structure to the nearest pole or other point of attachment shall not be longer than 10 metres.

75-026 Primary and Secondary Lines Clearances

(1) The poles which support the phase conductors of a primary line shall be so located and of such height as to afford at a temperature of 16°C a clearance of 7 metres measured vertically between the conductors and the ground.

(2) The primary line neutral shall be considered a secondary conductor and shall have the same minimum vertical clearance as specified in Subrule (3).

(3) Subject to Subrule (5), the poles which support the conductors of a secondary line shall be so located and of such height as to afford at a temperature of 16°C a clearance of 6 metres measured vertically between the conductors and the ground.

(4) Where a consumer desires to install the conductors of a primary or secondary line across a public road, the crossing shall not be made without a written permission from the supply authority and from the authority having jurisdiction over the road and having the minimum clearance as specified in Subrule (1).

(5) The point of attachment of supply conductors shall be not less than 5 m nor more than 9 m above sidewalk or grade level and shall be so located and of such height as to afford at a temperature of sixteen °C a clearance measured vertically between the conductors and the ground of at least:

(a) 4.5 m on properties accessible to pedestrians and passenger vehicles only; or

(b) 6 m on properties accessible to commercial and farm vehicles.

75-028 Clearances of Conductors from Buildings

(1) An overhead secondary line conductors shall be kept at least 2 metres measured horizontally or 3 metres measured vertically from all buildings except where necessary to effect a service entrance.

(2) An overhead primary line conductor shall be kept at least 5 metres measured horizontally from a building.

(3) Primary line conductors shall not be installed over buildings without special permission, and work shall not begin until the plans and specifications for the work are approved by the inspector.

(4) No building, mobile home or structure shall be placed or constructed within 5 metres measured horizontally from the nearest conductor of an overhead primary line.

75-030 Clearances for Other Structures

(1) Conductors of a primary line shall not be installed closer than 12 metres measured horizontally from silos, wells, windmills, antennae, flagpoles and other like structures which increase the possibility of accidental contact by persons or things with such conductors.

(2) Conductors of a secondary line shall not be installed closer than 2 metres horizontally from structures.

(3) The poles and equipment associated with a primary or secondary line shall be located and suitably protected so as to avoid the possibility of damage from contact with vehicles.

75-032 Anchors and Guys

(1) Poles at dead-ends or angles shall be guyed as follows:

- (a) Where a plate anchor is used then in the manner prescribed by Specification 1;
 - (b) Where a log anchor is used then in the manner prescribed by Specification 2; or
 - (c) Where an expansion anchor is used then in the manner prescribed by Specification 3.
- (2) (a) Where anchors are installed in solid rock the anchors shall be installed in accordance with either item 1 or 2 of Specification 4.
- (b) Where anchors are installed in shale or limestone the anchors shall be installed in accordance with item 2 of Specification 4.

(3) Power driven screw anchors shall be installed as per manufacturer's specifications.

(4) All backfill associated with installation of anchors shall be well tamped.

75-034 Guy Wires

(1) Guy wires shall:

- (a) Be of 7-strand steel;
- (b) Have a diameter of at least 8 millimetres; and
- (c) Be galvanized.

75-036 Strain Insulator on Pole Guys

(1) Every guy shall have a strain insulator installed in the manner prescribed in Specification 5. Preformed guy grips suitable for the purpose may be used in lieu of 3 bolt clamps.

(2) A second strain insulator shall be installed at a point below the point of possible contact of the conductor and guy wire where:

- (a) The guyed pole carries a transformer or a fused switch; and
- (b) The breaking of a guy wire could cause a part of the guy wire below the strain insulator to fall against a conductor carried by the pole.

(3) All guy wires shall be protected by a suitable guard.

75-038 Anchoring for Change of Line Direction

(1) Arrangement of guys and anchoring for change of line direction shall be in accordance with specification 38.

75-040 Span Guy Construction

(1) Where a span guy must be installed, it shall be constructed in the manner prescribed in Specification 6.

(2) Where the span between the guyed pole and stub pole crosses over or under conductors operating at a potential of more than 150 volts to ground, a second strain insulator shall be installed in the span at a point between the power conductors and the guyed pole and not less than 2.5 metres from the stub pole.

75-042 Guys

(1) A guy wire shall be attached to the pole with an approved fitting shown in item 1 of Specification 22 in the manner prescribed in Specification 5 and in such a way that there is no contact between the guy wire fitting or its mounting bolt and any ground wire on the pole. Preformed guy grips suitable for the purpose may be used in place of the approved fitting mentioned above.

(2) The back of an insulator through bolt shall not be used as an attachment point for guys.

(3) Where the distance from the upper support clamp on the service mast to the point of attachment of service conductors exceeds 1.5 metres for a 100 ampere service or 1 metre for larger service, the mast must be guyed in accordance with Specification 26.

75-044 Anchor Distance from Pole. The distance of an anchor from its pole shall be at least one-third the height of the pole above ground.

75-046 Hardware. All hardware shall be galvanized.

75-048 Cross-arms

(1) Cross arms, if made of wood shall be:

- (i) Douglas Fir; or
- Western Larch; or
- Western Hemlock; or
- Yellow Cypress; or
- Jack Pine; or
- Lodgepole Pine;

- (ii) At least 120 millimetres wide and 95 millimetres thick. For detail on crossarm dimensions see Specification-33, Item 2.

(2) Cross arms, if made of steel shall be:

- (i) Steel cross arms dimensions shall be in accordance with Specification 33, Item 1.
- (ii) Steel cross arms shall be grounded with No. 4 A.W.G. stranded bare copper conductor and connected to a ground electrode.

75-050 Cross arm Pins

(1) The pins shall have standard steel 15.88 millimetres shank complete with special lockwasher suitable for use on wood cross arm and shall be;

- (a) 286 millimetres long and have 25 millimetres lead threads for the insulator on primary lines not more than 8,000 volts to ground and for ungrounded primary lines not more than 13,800 volts;
- (b) 356 millimetres long and have 35 millimetres lead threads for the insulator on primary lines more than 8,000 volts to ground and for ungrounded primary lines more than 13,800 volts.

75-052 Braces for Cross arms on Primary Lines. All wood cross arms shall have two braces, each being 864 millimetres long. One piece 'V' shaped cross arm braces are acceptable.

75-054 Secondary Racks

(1) Racks shall be used for secondary service conductors as follows:

- (a) When neutral supported cables are attached, one wire rack shall be used as shown on Specification 14 or 15;
- (b) When several conductors are used, see Specification 14 or 15 for the type of rack required, and
 - (i) Where there is no change of direction in a line, the rack shall be erected as shown in item 1 of Specification 13;
 - (ii) Where there is a change of direction in a line, the rack shall be erected as shown in item 2 of Specification 13;
 - (iii) At a dead-end in a line, the rack shall be erected as shown in item 3 of Specification 13.

(2) Neutral supported cable shall be installed in accordance with Specification 12.

75-056 Insulators. Insulators shall be selected in accordance with Table 108 and Specifications 35, 36 or 37.

75-058 Conductors-Overhead

(1) (a) Secondary service conductors, for a current carrying capacity up to 200 amperes shall be neutral supported cable and each conductor thereof shall have ampacities in accordance with Table 36.

(b) For a current carrying capacity over 200 amperes open wire bus with a bare neutral conductor properly spaced may be used.

(2) Primary line conductors shall be bare and not less than No. 2 A.W.G. A.C.S.R.

75-060 Sag Between Poles. Open wire bus, neutral supported cable and A.C.S.R. shall be installed so that the sag of the conductors between poles is determined by using Tables 103, 104, 105 or 106 appropriate to the size and type of conductor being installed and with respect to applicable span and temperature.

75-062 Sag Between Pole and Building. Open wire bus, neutral supported cable and A.C.S.R. shall be installed so that the sag of the conductors between a pole and a building is determined by using Tables 103, 104, 105 and 106 appropriate to the size and type of conductor being installed and with respect to applicable span and temperature.

75-064 Conductor Ties

(1) Primary line conductors shall be tied to pin-type insulators by means of No. 4 AWG soft drawn bare aluminum tie wire:

- (a) In the manner prescribed by specification 9 where there is no change in direction of the line at the insulator;
- (b) In the manner prescribed by Specification 10 where there is a change in direction of the line at the insulator.

(2) Secondary line conductors with weatherproof covering, shall be tied to secondary-rack spool-type insulators in the manner prescribed by Specification 11.

(3) Neutral conductors on neutral spool bolt insulators shall be tied with long spool-ties in a manner prescribed by Specification 8.

75-066 Compression Connections. Compression connectors are required for all overhead current carrying connections.

75-068 Attachment of Secondary Line Conductors.

(1) Secondary service conductors shall terminate on

a dead-end rack of a type shown in either Specification 14 or 15:

- (a) Attached to a pole in accordance with either Specification 12 or 13; or
 - (b) Attached to the timber framing of a building by two machine bolts of at least 12.5 millimetres diameter backed by washers unless a one-wire rack is used such as shown in item 1 of Specification 15.
- (2) Where it is necessary to install an approved service mast to meet the requirements of Rule 6-114 the mast shall be attached to the building as shown in Specification 26 and guyed, if necessary, in accordance with the Note on Specification 26.

75-070 Service Box Installation

(1) Where a service box is installed on a pole which supports the conductors of a secondary service only, the midpoint of the meter shall be located as shown in Specification 16.

(2) Where a service box is installed on a transformer pole, no equipment other than that shown in Specification 17 shall be placed on the pole, except that one temporary service may be attached in addition to the permanent service.

(3) Service boxes shall not be installed on poles located on a public road.

(4) The following requirements shall apply to the Central Metering System (CMS):

- (a) A standard pole-mounted distribution transformer without a secondary breaker or pole-mounted switch shall be used to supply multi-building installations;
- (b) The method of entry of conductors into a building shall be in accordance with Rules 6-210 and 6-302;
- (c) Each building shall have a main service box at point of entry in accordance with Rule 6-200;
- (d) The service equipment shall be bonded to the neutral;
- (e) A ground electrode shall be used at each service box in accordance with Rule 75-084;
- (f)
 - (i) New overhead yard wiring shall be neutral supported cable with a minimum of No. 2 AWG aluminum, and when in parallel shall comply with Rule 12-108;
 - (ii) New overhead yard wiring with current carrying capacity over 200 amperes, open wire bus with a bare neutral conductor properly spaced may be used.

(g) The ampacity of the overhead or underground conductors feeding one or more buildings shall be based on:

- (i) 100 per cent of the rating of the largest service box; and
- (ii) 75 per cent of the sum of the ratings of all other service boxes supplied.

(h) All poles carrying primary or secondary lines shall have the following warning sign; "Danger—Keep Off; If work on this pole or near wires is necessary, call the Hydro Office";

(i) Transformer pole hardware and metering equipment shall be in accordance with Specification 19;

(j) If metering is located on other than a transformer pole the meter socket shall be connected to the ground electrode and the system neutral in accordance with Specification 18;

(k) Pole top switches may be installed to the following requirements:

(i) The switch shall be approved for the purpose;

(ii) The minimum ampacity of the main contacts of the switch shall be 100% of the largest service box plus 75% of the sum of the ratings of all other service boxes supplied;

(iii) The minimum clearances on the pole shall be those shown on Specification 20;

(iv) Underground services shall be in accordance with the requirements of Rule 6-300;

(l) All equipment mounted on a pole shall be mounted on the same $\frac{1}{3}$ continuous pole circumference leaving the remaining $\frac{2}{3}$ of the continuous pole circumference clear for climbing purposes.

(m) C.M.S. type service shall not have more than four subdivisions of the service extending from one pole.

75-072 Service Attachment to Poles. No equipment shall be attached to the poles of a supply authority without express permission of the supply authority.

75-074 Service Box Installation on a Transformer Pole

(1) Where a service box is installed on a transformer pole;

(a) The ground electrode shall be installed at the pole by the supply authority;

- (b) The consumer shall provide a grounding conductor for the non-current-carrying metal parts of the service box; and
- (c) The supply authority shall connect the grounding conductor to the ground wire on the pole.

(2) All non-current-carrying metal parts of the service box shall be grounded.

75-076 Location of Meters. Requirements for meter locations are given in Subrule (1) of Rule 6-408 as follows:

(1) Meters and metering equipment shall be installed in locations satisfactory to both the inspector and the supply authority and shall be:

- (a) Located as near as practicable to the service box;
- (b) Grouped where practicable;
- (c) Readily accessible;
- (d) Not located in coal bins, clothes closets, bathrooms, stairways, high ambient rooms, dangerous or hazardous locations, nor in any similar undesirable places; and
- (e) If mounted outdoors, of weatherproof construction or in weatherproof enclosures.

75-078 Conductors at Service Switch. Conductors connected to the load side of a service switch shall not be installed in a conduit with conductors connected to the line side of the service switch.

75-080 Tree Trimming

(1) When a private line is installed, the owner shall contact the supply authority for tree trimming requirements specific to the installation and shall provide complete protection to the line from trees and other forms of woody growth in accordance with those requirements.

(2) Where tree trimming requirements are not available from the supply authority, all trees and woody growth adjacent to a line shall be trimmed so that minimum clearance to the nearest conductor horizontally and vertically at a maximum sag shall be:

- (a) 1 metre for secondary lines;
- (b) 4 metres for primary lines.

75-082 Grounding Conductors

(1) The grounding conductor shall be in accordance with Section 10.

(2) The grounding conductor located above ground shall be protected against mechanical injury by means

of wood moulding, P.V.C. conduit, or similar approved methods.

(3) Metal guards or metal conduit shall not be used as protection for the grounding conductor in locations accessible to livestock.

75-084 Ground Electrodes

(1) Each ground electrode shall consist of one or more standard ground rods.

(2) There shall be not less than two ground rods installed for each consumer's installation.

(3) Ground rods, if of iron or steel, shall have a minimum diameter of 15.88 millimetres.

(4) Ground rods shall be provided with solderless clamps of an approved type.

(5) Where a ground electrode consists of two or more ground rods, the ground rods shall be installed not less than 3 metres apart.

(6) Where ground rods are installed outside a building, they shall:

- (a) Be at least 3 metres long; and
- (b) Be driven to a depth such that the top of the ground rods are a minimum of 250 millimetres below ground level.

(7) Where ground rods are installed in a basement:

- (a) They shall extend not less than 1.6 metres into the ground; and
- (b) Ground clamps which are protected against mechanical injury may be located above the surface of the floor through which the rods are driven.

(8) All ground electrodes shall be connected to the system neutral to minimize voltage gradients.

75-086 Location of Underground Grounding Conductor

(1) The grounding conductor shall be run underground to the ground electrode and shall be:

- (a) Buried in the earth to a depth not less than 250 millimetres below the ground level;
- (b) Not be located within 3 metres of a doorway; and
- (c) Not be located in an area normally frequented by livestock.

75-088 Grounding of Service Equipment on Transformer Poles

(1) Where the service equipment is installed on a transformer pole:

- (a) The neutral conductor of the consumer's service shall not be grounded by any person other than an employee of the supply authority;
- (b) (i) The neutral conductor shall be brought into the service box;
- (ii) The neutral conductor shall be installed with both the line and the load conductors on the service pole, and notwithstanding the provisions of Rule 4-020, the neutral conductor may be bare.
- (c) The contractor shall bond the non-current-carrying metal parts of the service equipment to a grounding conductor sized in accordance with Rule 10-812 and at least 500 millimetres of the grounding conductor shall extend outside the weatherproof enclosure.

(2) Where the transformer is owned by the supply authority, the supply authority shall attach the grounding conductor to the supply authority's ground wire by means of a solderless connector.

(3) Where the transformer is privately owned, the owner shall supply and install all grounding in accordance with Section 10.

75-090 Clearance-Lightning Conductors

(1) Requirements for the spacing or bonding of electrical and lightning rod systems are given in Rule 10-708 as follows: Where practicable, a clearance of at least 2 metres shall be provided between lightning rod conductors and electrical conductors and equipment but, where this separation is not possible, the ground electrodes for the two systems shall be connected together, at or below ground level, with a copper conductor of a size not less than that of the grounding conductor for the electrical system and in no case shall the bonding conductor be smaller than No. 6 AWG copper.

(2) Metal enclosures of circuit conductors shall where practicable be kept at least 2 metres from the lightning conductors and where this is not practicable shall be bonded to the lightning conductors at the maximum elevation of the wiring system.

75-092 Service Equipment

(1) Service boxes or other approved service equipment shall be installed in a location satisfactory to both the inspector and the supply authority and shall be:

- (a) As close as practicable to the point where the service conductors enter the building.
- (b) Readily accessible, or have the means of operating them readily accessible;
- (c) Not located in coal bins, clothes closets, bathrooms, stairways, high ambient rooms,

dangerous or hazardous locations, nor in any similar undesirable places; and

- (d) If placed on a pole;
 - (i) Weatherproof, and
 - (ii) Protected from mechanical injury if less than 2 metres above ground;
- (e) If placed on outside of a building shall be weatherproof or enclosed in a weatherproof enclosure and protected from mechanical injury if less than 2 metres above ground;
- (f) The non-current-carrying metal parts of the service and neutral conductor of the consumer's service shall be grounded in accordance with Section 10.

75-094 Pole Mounted Lights

(1) Pole mounted lights shall not be installed on a transformer pole.

(2) Where pole mounted lights are installed on poles carrying the conductors of a primary line, the lighting fixture shall be at least 3 metres below the primary conductors.

(3) Where pole mounted lights are controlled from more than one point by switches, each switch shall be so wired and connected that the identified (neutral) conductor runs directly to the light or lights controlled by it.

(4) The identified conductor of the circuit supplying the pole mounted light may be connected to the neutral conductor of a feeder or subfeeder.

(5) Each lighting circuit shall have adequate over-current protection. A weatherproof in-line fuseholder assembly is acceptable for this purpose.

(6) All non-current-carrying metal parts of a lighting unit shall be grounded in accordance with Section 10.

75-096 Wiring in Buildings

(1) Where a service feeder or subfeeder enters a building, it shall be installed in accordance with Rule 6-302 and a service box shall be installed at the point of entrance.

(2) Where a service box supplies more than two branch circuits, overcurrent devices shall be installed in an approved enclosure on the load side of the main switch or circuit breaker.

(3) The wiring in barns, stables and out-buildings shall be:

- (a) copper; and

(b) Enclosed in PVC Rigid Conduit; or

(c) Non-metallic sheathed cable of a NMW type; or

(d) Any other approved method in accordance with Section 22.

(4) The wiring in a residence may be:

(a) Non-metallic sheathed cable; or

(b) Any other approved method.

(5) Metallic water supply systems and metallic waste water piping systems shall be bonded in accordance with Rule 10-406.

(6) Where non-metallic sheathed cable is run on a wall or the framework of a barn, out-building or residence, or in any other place where it is likely to be damaged by cattle or by the impact with moving objects, it shall be protected by PVC conduit.

(7) Where non-metallic sheathed cable must enter walls or ceilings or concealed areas over beams, a PVC conduit shall be used to protect the non-metallic sheathed cable where subject to damage by rodents.

(8) (a) Livestock waterers, wire mesh, grates, metallic water pipes, stanchions, water bowls, vacuum lines, grain feeders, gates, support posts and other metals shall be bonded together by a separate stranded copper conductor not smaller than No. 6 A.W.G.

(b) The metallic equipment bonded in Subrule (a) shall be grounded and connected to the system neutral ground at the distribution panel by a separate single stranded copper conductor not smaller than No. 6 A.W.G.

(9) In milking parlors concrete floors shall have a 6 inches by 6 inches by 9 gauge wire mesh and bonding and grounding shall be in accordance with Subrule (8).

75-098 Wiring Devices—Barns, Stables and Out-Buildings

(1) In barns, stables and out-buildings, all lamp outlets shall be controlled by means of wall switches.

(a) An outlet, switch, receptacle or other wiring device shall be:

(i) Contained in a box made of insulating material having a cover of insulating material; or

(ii) An approved self-contained outlet, switch receptacle or other wiring device, made of insulating material.

75-100 Lighting Fixtures

(1) Where dust or chaff is likely to collect on lamps they shall be:

(a) Mounted vertically; and

(b) In totally enclosed gasketed type globes.

(2) Keyless weatherproof pigtail lampholders shall be installed at lamp outlets in barns, stables and out-buildings, subject to Subrules (3), (4) and (5).

(3) In milk houses and other areas having controlled environment, low temperature ballasted fluorescent or standard incandescent lighting fixtures may be used.

(4) Where fixtures are subject to mechanical damage the fixtures shall be:

(a) An incandescent weatherproof pigtail type with gasketed type globe; or

(b) Any other approved type installed at an elevation of at least 3 metres.

(5) High intensity discharge lighting may be used for yard lighting and high bay areas.

75-102 Silo Unloaders

(1) General:

(a) Silo unloaders shall be approved;

(b) All boxes and fittings installed outdoors or in silos shall be weatherproof.

(2) Motors:

(a) Silo motors shall be either totally enclosed or fitted with suitable screens to prevent entrance of foreign objects into the ventilating passages of the motor;

(b) The motors are required to have individual overload protection in accordance with Rule 28-300;

(c) The type of overload protection complying with Rule 28-304 shall be a separate overload device responsive to motor current rated or set in accordance with Table 26. An integral thermal protective device specifically approved for use with the motor which it protects is an acceptable alternative providing that the manual reset button is easily accessible. Automatic resetting overload devices are not acceptable;

(d) The motors shall be controlled by means of a magnetic motor controller, with a control station in the silo, capable of preventing the motors being started from any other location. A jog pushbutton is required at the control station in the silo unless a local or remote operation

selector switch is available at the controller then, a control station on a cord set, that may be carried into the silo by the operator, is acceptable as a controlling means, provided that start pushbutton performs a jog function only;

- (e) A suitable disconnecting means shall be installed within sight of the controller in accordance with Rule 28-606.

(3) Wiring Method:

- (a) **Outside Wiring.** The wiring from a building to a silo shall be installed either underground, in accordance with Rule 12-012, or overhead in accordance with Rule 75-070;
- (b) **Silo Riser.** The riser conductors on the exterior wall of the silo shall be enclosed in rigid steel or PVC conduit, ACL, M.I., A/S or NMW-10 or flexible cord mechanically protected as required. Flexible cord assemblies noted in Paragraph (c) may be used provided that the cord assembly is adequately supported and protected and is provided with a take-up reel, or equivalent, to prevent slack cable problems. The riser conductors shall terminate in a weatherproof enclosure or box wherever necessary;
- (c) **Power Supply Cords.** The cord assembly shall consist of:
 - (i) A CSA approved cable for hard usage outdoors in wet locations as listed in Table 11; or
 - (ii) Type SJO, SG or SO;
- (d) **Support of Cord Assembly.** The cord assembly shall be supported by suitable strain relief clamps.

75-104 Standby Generators

(1) Standby generators shall not be connected to a wiring system except through a double-throw switch which will prevent feedback on the supply authority's system.

(2) The wiring method and grounding of permanently installed standby generators shall be in accordance with Sections 10 and 12.

(3) In addition to requirements of Subrule (1), portable standby generators shall meet the following requirements:

- (a) Where the portable standby generator neutral is isolated from ground, the cable assembly shall contain a separate green grounding conductor in addition to the identified neutral conductor;
- (b) For portable standby generators rated 60 amperes and less the conductors shall terminate

in an approved receptacle as listed in Tables 46 and 47;

- (c) For portable standby generators rated more than 60 amperes, the conductors shall terminate in a receptacle that provides simultaneous disconnect of all ungrounded conductors and incorporates a rejection feature prohibiting the interconnection of ungrounded and neutral and/or grounding conductors;
- (d) Where a double throw transfer is mounted at a service entrance, the transfer switch shall be located on the load side of the service entrance switch;
- (e) Pole top transfer switches used in conjunction with Central Metering Systems shall be installed in accordance with Specification 20;
- (f) The conductors used in conjunction with a portable standby generator and which are to be installed on the pole shall be enclosed in rigid conduit and terminate at the generator connection point in a weatherproof box complete with threaded hub;
- (g) At least one ground rod shall be installed at every location where the generator may be connected.

75-106 Underground Cables. For the purpose of this rule, underground cable shall mean cable which is the whole or a part of either a primary or secondary line.

(1) General:

- (a) An underground cable shall be of a type approved for this purpose;
- (b) Where an underground cable trench is installed in rocky or stony ground the cables shall be laid in a bed of sand extending 75 millimetres below and 75 millimetres above them;
- (c) Underground cables shall be laid parallel to each other;
- (d) Where mechanical protection for underground cables in the form of cable brick, treated planks or other materials acceptable to the inspector is employed, it shall be wide enough to extend at least 50 millimetres beyond the cables on each side. Treated planks shall not be less than 25 millimetres in thickness. Planks treated with creosote solutions are unacceptable and shall not be used;
- (e) Where underground cables pass under roadways, or railways, the underground cable shall be installed with mechanical protection in the form of non-metallic directly buried duct, rigid conduit or duct embedded in concrete;

- (f) (i) Subject to Subparagraph (ii) of this Subrule where underground cables are installed in the same trench as other services, the underground cable shall be installed below the level of other services and shall have mechanical protection interposed between them;
 - (ii) Where underground cables are installed at the same level as other underground services, the underground cables shall be kept at a distance of at least 1 metre measured horizontally;
 - (g) Where underground cables emerge they shall be run in rigid conduit or other approved raceway or otherwise suitably protected to the satisfaction of an inspector. Where the underground cable extends up a pole the raceway shall extend up the pole to the point where it is necessary for the conductors to diverge;
 - (h) Where underground cables must cross other underground services the underground cables shall be installed in suitable duct or mechanical protection shall be interposed at the point of crossing.
- (2) Primary Line Cables:
- (a) Subject to paragraph (b) hereof, primary line cables shall be buried to a depth of not less than 1 metre below permanent grade level and suitably protected by treated planks, cable brick, or other materials acceptable to the inspector;
 - (b) Where conditions do not permit burial to a depth of 1 metre, the cables shall be installed in rigid conduit or duct encased in concrete;
 - (c) In addition to the protection required in Subrule (a), a continuous warning marker tape shall be installed at 300 millimetres below the surface.
- (3) Secondary Line Cables:
- (a) Subject to Paragraph (b), secondary line cables shall be buried to a depth of not less than 600 millimetres below permanent grade level and suitably protected with mechanical protection consisting of one of the following:
 - (i) Cable brick;
 - (ii) Treated planks;
 - (iii) Polyethylene pipe;
 - (iv) Buried to a depth of not less than 1 metre;
 - (v) Approved metallic sheathed or armoured cables;
 - (vi) Other materials acceptable to the inspector.

- (b) Where secondary line cables are buried at a depth of less than 600 millimetres cables shall be installed in concrete encased duct.

75-108 Submarine Power Cable. Submarine power cables shall be manufactured to either I.C.E.A. Standard S-66-524, or Ontario Hydro Standard M355, or such other standards as may be approved.

75-110 Hazardous Locations

(1) For the purpose of this Rule, there are two categories of grain dust producing locations as follows:

- (a) Farms—where the product is being produced only for use on the particular farm;
- (b) Commercial—where the product is being produced for resale or is a custom preparation for others or where the amount of material handled is large as compared to what might be processed on the farm.

(2) The requirements of Table 107 shall be applied to determine the wiring method in either of the locations listed in Subrule (1) hereof.

75-112 Fuel Dispensing. Gasoline and propane dispensing equipment shall be installed in accordance with Sections 18 and 20.

75-114 Submersible Pumps

(1) Submersible pumps shall be installed in accordance with manufacturer's instructions and Rules 26-950 to 26-956.

(2) Submersible pumps shall be grounded in accordance with Section 10.

SECTION 76—TEMPORARY WIRING

76-000 Scope

(1) This Section of the Code covers temporary wiring installations for buildings or projects under construction or demolition and experimental or testing facilities of a temporary nature.

(2) The requirements of this Section are supplementary to, or amendatory of, the general requirements of the Code.

76-002 Inspection and Reinspection. All installations and equipment shall be subject to inspection or reinspection at any time deemed necessary by the inspection authority.

76-004 Conductors

(1) Conductors shall be of a type in accordance with Section 12 or be flexible cord or power supply cable of the outdoor type suitable for extra-hard usage as indicated in Table 11.

(2) Conductors shall be insulated except as permitted by Rules 6-308, 10-802 and 10-806.

(3) Service conductors shall be installed in accordance with Sections 6, 10 and 36.

(4) Overhead conductors shall be aerially supported in an acceptable manner on poles or other acceptable means with the spacing of supports not to exceed the maximum span length allowable for the type of conductors used.

76-006 Grounding. All grounding shall be in accordance with Section 10.

76-008 Service Entrance Equipment. Service entrance equipment shall be in a temporary building adjacent to the construction or demolition site but if such a building is not available, the equipment may be mounted on a pole structure if it is:

- (a) Accessible to authorized persons only;
- (b) Capable of being locked;
- (c) Protected against weather and mechanical damage; and
- (d) Not over 200 amperes capacity.

76-010 Distribution Centres

(1) Distribution centres shall have a sufficient number of branch circuits and be of adequate capacity to serve the connected load without overloading any branch circuits and without violating the requirements of Section 14.

(2) Distribution centres shall be installed in a weatherproof building or be of weatherproof construction.

(3) Distribution centres including portable ones shall be mounted in an upright position on acceptable supporting structures and be acceptable to the inspection authority.

76-012 Feeders

(1) Feeders supplying distribution centres shall be installed in armoured cable or the equivalent.

(2) Notwithstanding Subrule (1), feeders to portable distribution centres may be flexible cord or power supply cable of the outdoor type suitable for extra-hard usage as indicated in Table 11 and containing a grounding conductor.

(3) Feeders shall be protected at all times from mechanical damage and protected by suitable overcurrent protective devices and controlled by suitable disconnecting means.

76-014 Branch Circuits

(1) Branch lighting circuits shall be kept entirely separate from power circuits.

(2) Non-metallic sheathed cable of Type NMW-10 may be used for branch circuits when installed in accordance with Section 12 and providing it is not less than No. 12 AWG copper or No. 10 AWG aluminum.

(3) The installation and type of luminaires or lampholders shall comply with Section 30.

(4) Each lighting branch circuit shall be protected by a circuit breaker set at 15 amperes and shall not have a load in excess of 12 amperes.

(5) Notwithstanding Subrule (4), lighting branch circuits which supply mogul base lampholders only may be protected by circuit breakers in excess of 15 amperes but the connected load shall not exceed 80 per cent of the circuit breaker setting.

(6) Lighting branch circuits shall not be used to supply power tools in excess of $\frac{1}{4}$ hp or appliances in excess of 1,500 watts.

(7) A separate circuit shall be used for any load in excess of those referred to in Subrule (6).

76-016 Interconnections. Temporary installations shall be constructed as separate installations and at no time shall they be interconnected with any of the circuits of the permanent installations except by special permission.

SECTION 78—MARINAS AND YACHT CLUBS

78-000 Scope

(1) This Section applies to the installation of wiring and equipment in marinas, yacht clubs and similar establishments, including fixed or floating piers, which are used for the construction, repair, storage, launching, berthing and fueling of small craft.

(2) This Section is supplementary to or amendatory of the general Sections of this Code.

78-002 Receptacles

(1) Where receptacles are installed on fixed or floating piers, docks, or wharfs, and intended to supply shore power for boats they shall be protected by a ground fault circuit interrupter of the Class A type and shall be:

- (a) 15 amperes, single or duplex, locking or non-locking type conforming to Table 46 or 47; or
- (b) 20 amperes or more, single locking type conforming to Table 47.

(2) Receptacles which provide shore power other than for boats may be of the locking or non-locking type conforming to either Table 46 or 47.

(3) Receptacles shall be made of corrosion-resistant materials.

(4) Receptacles shall be located above the permanent or maximum normal water level so that they do not become immersed in water and shall be protected from splashing.

78-004 Feeders and Services. The load for each ungrounded feeder and service conductor supplying receptacles installed on fixed or floating piers, docks or wharfs, and intended to supply shore power to boats shall be calculated on the basis of the ampere rating of

the receptacles and applying the following demand factors:

- (a) 100 per cent of the sum of the first five receptacles having the highest ampere ratings; plus
- (b) 75 per cent of the sum of the ampere ratings of the next ten receptacles having the same or next smaller ratings to those specified in Paragraph (a); plus
- (c) 50 per cent of the sum of the ampere ratings of the next ten receptacles having the same or next smaller ratings to those specified in Paragraph (b); plus
- (d) 25 per cent of the sum of the ampere ratings of the remainder of the receptacles.

78-006 Wiring Methods

(1) The wiring method, where exposed to the weather or splashing of water shall be:

- (a) Corrosion-resistant rigid metal conduit or rigid PVC conduit;
- (b) Mineral-insulated cable having a copper sheath;

(c) Non-metallic sheathed cable of the NMW-10 Type;

(d) Armoured cable having moisture resistant insulation and overall corrosion protection; or

(e) Metal sheathed cable having overall corrosion protection.

(2) Where flexibility is required outdoor flexible cord suitable for at least hard usage as specified in Table 11 shall be used.

78-008 Grounding. Grounding requirements shall be in accordance with Section 10, except that an equipment grounding conductor of copper not smaller than No. 12 AWG shall be used.

78-010 Wiring Over and Under Navigable Water. Wiring over and under navigable water shall be subject to approval by the authority having jurisdiction for the specific waterway.

78-012 Gasoline Dispensing Stations. Requirements shall be in accordance with Section 20 of this Code except that when considering hazardous areas, the grade or ground level shall be the lowest water surface.

TABLE 1

(See Rules 4-004, 8-104, 12-012, 12-2212, 12-2312, 26-000, 26-744, 42-008, 42-018 and 56-004)

**ALLOWABLE AMPACITIES FOR
SINGLE COPPER CONDUCTORS IN FREE AIR**

Based on Ambient Temperature of 30°C*

Size AWG MCM	Allowable Ampacity†					
	60°C ‡	75°C ‡	85 – 90°C ‡	110°C ‡	125°C ‡	200°C ‡
	Types T, TW	Types RW75, TWH	Types R90, V, RW90, THHN, A-18 Single-Conductor Mineral-Insulated Cable§	See Note (3)	See Note (3)	Type A-7 Bare Wire
14	20	20	20	40	40	45
12	25	25	25	50	50	55
10	40	40	40	65	70	75
8	55	65	70	85	90	100
6	80	95	100	120	125	135
4	105	125	135	160	170	180
3	120	145	155	180	195	210
2	140	170	180	210	225	240
1	165	195	210	245	265	280
0	195	230	245	285	305	325
00	225	265	285	330	355	370
000	260	310	330	385	410	430
0000	300	360	385	445	475	510
250	340	405	425	495	530	—
300	375	445	480	555	590	—
350	420	505	530	610	655	—
400	455	545	575	665	710	—
500	515	620	660	765	815	—
600	575	690	740	855	910	—
700	630	755	815	940	1005	—
750	655	785	845	980	1045	—
800	680	815	880	1020	1085	—
900	730	870	940	—	—	—
1000	780	935	1000	1165	1240	—
1250	890	1065	1130	—	—	—
1500	980	1175	1260	1450	—	—
1750	1070	1280	1370	—	—	—
2000	1155	1385	1470	1715	—	—
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7

* See Table 5A for the correction factors to be applied to the values in Columns 2 to 7 for ambient temperatures over 30°C.

† The ampacity of single-conductor aluminum-sheathed cable is based on the type of insulation used on the copper conductor.

‡ These are maximum allowable conductor temperatures for single conductors run in free air and may be used in determining the ampacity of other conductor types in Table 19, which are so run, as follows: From Table 19 determine the maximum allowable conductor temperature for that particular type; then from Table 1 determine the ampacity under the column of corresponding temperature rating.

§ These ratings are based on the use of 85°C insulation on the emerging conductors and for sealing. By special permission, mineral-insulated cable may be used at higher temperatures without decrease in allowable ampacity, provided that insulation and sealing material approved for such higher temperature is used.

- NOTES: (1) The ratings of Table 1 may be applied to a conductor mounted on a plane surface of masonry, plaster, wood, or any material having a conductivity not less than $0.4 \text{ W/(m} \cdot ^\circ\text{C)}$.
- (2) For correction factors where from 2 to 4 conductors are present and in contact, see Table 5B.
- (3) These ampacities are only applicable under special circumstances where the use of insulated conductors having this temperature rating are acceptable to the inspection department.
- (4) Type R90 silicone wire may be used in ambient temperatures up to 65°C without applying the correction factors for ambient temperatures above 30°C provided the temperature of the conductor at the terminations does not exceed 90°C.

TABLE 2

(See Rules 4-004, 8-104, 12-2212, 12-2312, 26-000, 26-744, 42-008, 42-018 and 56-004)

ALLOWABLE AMPACITIES FOR
NOT MORE THAN 3 COPPER CONDUCTORS IN RACEWAY OR CABLE
Based on Ambient Temperature of 30°C*

Size AWG MCM	Allowable Ampacity†					
	60°C ‡	75°C ‡	85 – 90°C ‡	110°C ‡	125°C ‡	200°C ‡
	Types T, TW	Types RW75, TWH	Types R90, V, RW90, THHN, A-18	See Note (1)	See Note (1)	See Note (1)
			Paper			
			Mineral-Insulated Cable§			
14	15	15	15	30	30	30
12	20	20	20	35	40	40
10	30	30	30	45	50	55
8	40	45	50	60	65	70
6	55**	65	70	80	85	95
4	70	85	90	105	115	120
3	80	100	105	120	130	145
2	100	115	120	135	145	165
1	110	130	140	160	170	190
0	125	150	155	190	200	225
00	145	175	185	215	230	250
000	165	200	210	245	265	285
0000	195	230	235	275	310	340
250	215	255	270	315	335	—
300	240	285	300	345	380	—
350	260	310	325	390	420	—
400	280	335	360	420	450	—
500	320	380	405	470	500	—
600	355	420	455	525	545	—
700	385	460	490	560	600	—
750	400	475	500	580	620	—
800	410	490	515	600	640	—
900	435	520	555	—	—	—
1000	455	545	585	680	730	—
1250	495	590	645	—	—	—
1500	520	625	700	785	—	—
1750	545	650	735	—	—	—
2000	560	665	775	840	—	—
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7

* See Table 5A for the correction factors to be applied to the values in Columns 2 to 7 for ambient temperatures over 30°C.

- † *The ampacity of aluminum-sheathed cable is based on the type of insulation used on the copper conductors.*
- ‡ *These are maximum allowable conductor temperatures for 1, 2, or 3 conductors run in a raceway, or 2 or 3 conductors run in a cable and may be used in determining the ampacity of other conductor types in Table 19, which are so run, as follows: From Table 19 determine the maximum allowable conductor temperature for that particular type; then from Table 2 determine the ampacity under the column of corresponding temperature rating.*
- § *These ratings are based on the use of 85°C insulation on the emerging conductors and for sealing. By special permission, mineral-insulated cable may be used at higher temperatures without decrease in allowable ampacity, provided that insulation and sealing material approved for such higher temperature is used.*
- ** *For 3-wire 120/240- and 120/208-residential services or sub-services the allowable ampacity for size No. 6 AWG shall be 60 A. In this case the 5% adjustment per Rule 8-106(1) cannot be applied.*

NOTES: (1) *These ampacities are only applicable under special circumstances where the use of insulated conductors having this temperature rating are acceptable to the inspection department.*

(2) *Type R90 silicone wire may be used in ambient temperatures up to 65°C without applying the correction factors for ambient temperatures above 30°C provided the temperature of the conductor at the terminations does not exceed 90°C.*

TABLE 3

(See Rules 4-004, 8-104, 12-012, 12-2212, 12-2312, 26-000, 26-744, 42-008, 42-018 and 56-004)

ALLOWABLE AMPACITIES FOR
SINGLE ALUMINUM CONDUCTORS IN FREE AIR
Based on Ambient Temperature of 30°C*

Size AWG MCM	Allowable Ampacity†					
	60°C ‡	75°C ‡	85 -90°C ‡	110°C ‡	125°C ‡	200°C ‡
	Types T, TW	Types RW75, TWH	Types R90, V, RW90, THHN	See Note (3)	See Note (3)	Bare Wire
12	20	20	20	40	40	45
10	30	30	30	50	55	60
8	45	45	45	65	70	80
6	60	75	80	95	100	105
4	80	100	105	125	135	140
3	95	115	120	140	150	165
2	110	135	140	165	175	185
1	130	155	165	190	205	220
0	150	180	190	220	240	255
00	175	210	220	255	275	290
000	200	240	255	300	320	335
0000	230	280	300	345	370	400
250	265	315	330	385	415	—
300	290	350	375	435	460	—
350	330	395	415	475	510	—
400	355	425	450	520	555	—
500	405	485	515	595	635	—
600	455	545	585	675	720	—
700	500	595	645	745	795	—
750	515	620	670	775	825	—
800	535	645	695	805	855	—
900	580	700	750	—	—	—
1000	625	750	800	930	990	—
1250	710	855	905	—	—	—
1500	795	950	1020	1175	—	—
1750	875	1050	1125	—	—	—
2000	960	1150	1220	1425	—	—
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7

* See Table 5A for the correction factors to be applied to the values in Columns 2 to 7 for ambient temperatures over 30°C.

† The ampacity of single-conductor aluminum-sheathed cable is based on the type of insulation used on the aluminum conductor.

‡ These are maximum allowable conductor temperatures for single conductors run in free air and may be used in determining the ampacity of other conductor types in Table 19, which are so run, as follows: From Table 19 determine the maximum allowable conductor temperature for that particular type; then from Table 3 determine the ampacity under the column of corresponding temperature rating.

- NOTES: (1) The ratings of Table 3 may be applied to a conductor mounted on a plane surface of masonry, plaster, wood, or any material having a conductivity not less than $0.4 \text{ W/(m} \cdot ^\circ\text{C)}$.
- (2) For correction factors where from 2 to 4 conductors are present and in contact, see Table 5B.
- (3) These ampacities are only applicable under special circumstances where the use of insulated conductors having this temperature rating are acceptable to the inspection department.

TABLE 4

(See Rules 4-004, 8-104, 12-012, 12-2212, 12-2312, 26-000, 26-744, 42-008, 42-018 and 56-004)

ALLOWABLE AMPACITIES FOR
NOT MORE THAN 3 ALUMINUM CONDUCTORS IN RACEWAY OR CABLE
Based on Ambient Temperature of 30°C*

Size AWG MCM	Allowable Ampacity†					
	60°C ‡	75°C ‡	85-90°C ‡	110°C ‡	125°C ‡	200°C ‡
	Types T, TW	Types RW75, TWH	Types R90, V, RW90, THHN Paper	• See Note	See Note	See Note
12	15	15	15	25	30	30
10	25	25	25	35	40	45
8	30	30	30	45	50	55
6	40	50	55§	60	65	75
4	55	65	70	80	90	95
3	65	75	80	95	100	115
2	75	90	95§	105	115	130
1	85	100	110	125	135	150
0	100	120	125	150	160	180
00	115	135	145	170	180	200
000	130	155	165	195	210	225
0000	155	180	185	215	245	270
250	170	205	215	250	270	—
300	190	230	240	275	305	—
350	210	250	260	310	335	—
400	225	270	290	335	360	—
500	260	310	330	380	405	—
600	285	340	370	425	440	—
700	310	375	395	455	485	—
750	320	385	405	470	500	—
800	330	395	415	485	520	—
900	355	425	455	—	—	—
1000	375	445	480	560	600	—
1250	405	485	530	—	—	—
1500	435	520	580	650	—	—
1750	455	545	615	—	—	—
2000	470	560	650	705	—	—
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7

* See Table 5A for the correction factors to be applied to the values in Columns 2 to 7 for ambient temperatures over 30°C.

† The ampacity of aluminum-sheathed cable is based on the type of insulation used on the aluminum conductors.

‡ *These are maximum allowable conductor temperatures for 1, 2, or 3 conductors run in a raceway, or 2 or 3 conductors run in a cable and may be used in determining the ampacity of other conductor types in Table 19, which are so run, as follows: From Table 19 determine the maximum allowable conductor temperature for the particular type; then from Table 4 determine the ampacity under the column of corresponding temperature rating.*

§ *For 3-wire, 120/240- and 120/208-V residential services or sub-services, the allowable ampacity for sizes No. 2 and No. 6 AWG shall be 100 A and 60 A, respectively. In this case the 5% adjustment per Rule 8-106(1) cannot be applied.*

NOTE: *These ampacities are only applicable under special circumstances where the use of insulated conductors having this temperature rating are acceptable to the inspection department.*

TABLE 5A

(See Rules 4-004(8), 12-2212 and 12-2312)

CORRECTION FACTORS APPLYING TO TABLES 1, 2, 3, AND 4

Ampacity Correction Factors
for
Ambient Temperatures Above 30°C

(These correction factors apply, column for column, to Tables 1, 2, 3, and 4)

Ambient Temperature °C	Correction Factor					
40	0.82	0.88	0.90	0.94	0.95	—
45	0.71	0.82	0.85	0.90	0.92	—
50	0.58	0.75	0.80	0.87	0.89	—
55	0.41	0.65	0.74	0.83	0.86	—
60	—	0.58	0.67	0.79	0.83	0.91
70	—	0.35	0.52	0.71	0.76	0.87
75	—	—	0.43	0.66	0.72	0.86
80	—	—	0.30	0.61	0.69	0.84
90	—	—	—	0.50	0.61	0.80
100	—	—	—	—	0.51	0.77
120	—	—	—	—	—	0.69
140	—	—	—	—	—	0.59
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7

NOTE: *The ampacity of a given conductor type at these higher ambient temperatures is obtained by multiplying the appropriate value from Table 1, 2, 3, or 4 by the correction factor for that higher temperature.*

TABLE 5B

(See Rule 4-004(9))

CORRECTION FACTORS FOR TABLES 1 AND 3

Where from 2 to 4 Single Conductors
are Present and in Contact

Number of Conductors	Correction Factors
2	0.90
3	0.85
4	0.80

- NOTES: (1) *Where four conductors form a 3-phase-with-neutral system, the values for three conductors may be used. Where three conductors form a single-phase, 3-wire system, the values for two conductors may be used.*
- (2) *Where more than four conductors are in contact, the ratings for conductors in raceways shall be used.*

TABLE 6
(See Rule 12-1116)

**MAXIMUM NUMBER* OF CONDUCTORS OF ONE SIZE
IN TRADE SIZES OF CONDUIT OR TUBING**

NOTE: For ampacity derating factors for more than three conductors in raceways, see Rule 4-002.

Size of Conduit or Tubing — Inches		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
Conductor Type	Size AWG, MCM													
		14	12	10	8	6	4	3	2	1	0	0	0	0
RW75 R90	14	3	6	10	18	25	41	58	90	121	155	195	200	200
	12	3	5	9	15	21	35	49	77	103	132	166	200	200
	10	2	4	7	13	17	29	41	64	86	110	138	174	200
	8	1	2	4	8	10	17	25	39	52	67	84	105	152
	6	1	1	2	5	6	11	15	24	32	41	51	64	93
	4	0	1	1	3	5	8	12	18	24	31	39	50	72
	3	0	1	1	3	4	7	10	16	21	28	35	44	63
	2	0	1	1	3	4	6	9	14	19	24	31	38	56
	1	0	1	1	1	3	5	7	11	14	18	23	29	42
	0	0	0	1	1	2	4	6	9	12	16	20	25	37
	00	0	0	1	1	1	3	5	8	11	14	18	22	32
	000	0	0	1	1	1	3	4	7	9	12	15	19	28
	0000	0	0	0	1	1	2	4	6	8	10	13	16	24
	250	0	0	0	1	1	1	3	5	6	8	10	13	19
	300	0	0	0	1	1	1	3	4	5	7	9	11	17
	350	0	0	0	1	1	1	1	3	5	6	8	10	15
	400	0	0	0	0	1	1	1	3	4	6	7	9	14
	500	0	0	0	0	1	1	1	3	4	5	6	8	11

(Continued)

TABLE 6 (Continued)

Size of Conduit or Tubing — Inches		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
Conductor														
Type	Size AWG, MCM													
RW75 R90	600	0	0	0	0	0	1	1	2	3	4	5	6	9
	700	0	0	0	0	0	1	1	1	3	4	4	6	8
	750	0	0	0	0	0	1	1	1	3	3	4	5	8
	800	0	0	0	0	0	1	1	1	2	3	4	5	8
	900	0	0	0	0	0	1	1	1	2	3	4	5	7
	1000	0	0	0	0	0	1	1	1	1	2	3	4	6
	1250	0	0	0	0	0	0	1	1	1	1	3	3	5
	1500	0	0	0	0	0	0	0	1	1	1	2	3	4
	1750	0	0	0	0	0	0	0	1	1	1	1	2	4
	2000	0	0	0	0	0	0	0	1	1	1	1	2	3
TWU RWU75 (XLPE) RWU90 (XLPE)	14	4	7	11	20	28	46	65	100	135	173	200	200	200
	12	3	6	10	17	23	39	55	85	114	147	184	200	200
	10	3	5	8	14	19	32	45	70	94	121	152	190	200
	8	1	2	4	7	10	16	23	36	48	61	77	97	140
	6	1	1	3	5	8	13	18	28	38	49	61	77	111
	4	1	1	2	4	6	10	14	22	29	38	48	60	86
	3	1	1	1	4	5	9	12	19	26	33	42	52	76
	2	0	1	1	3	4	7	11	17	22	29	36	45	65
	1	0	1	1	2	3	5	8	12	17	22	27	34	49

TWU RWU75 (XLPE) RWU90 (XLPE)	0	0	1	1	1	3	5	7	11	14	19	23	29	43
	00	0	0	1	1	2	4	6	9	12	16	20	25	37
	000	0	0	1	1	1	3	5	8	10	14	17	21	31
	0000	0	0	1	1	1	3	4	6	9	11	14	18	26
	250	0	0	0	1	1	2	3	5	7	9	12	15	21
	300	0	0	0	1	1	1	3	5	6	8	10	13	19
	350	0	0	0	1	1	1	3	4	6	7	9	11	17
	400	0	0	0	1	1	1	2	4	5	6	8	10	15
	500	0	0	0	0	1	1	1	3	4	5	7	9	13
	600	0	0	0	0	1	1	1	2	3	4	6	7	10
	700	0	0	0	0	0	1	1	2	3	4	5	6	9
	750	0	0	0	0	0	1	1	1	3	4	5	6	9
	800	0	0	0	0	0	1	1	1	3	3	4	6	8
	900	0	0	0	0	0	1	1	1	2	3	4	5	7
	1000	0	0	0	0	0	1	1	1	2	3	4	5	7
	1250	0	0	0	0	0	0	1	1	1	2	3	4	5
	1500	0	0	0	0	0	0	1	1	1	1	2	3	5
	1750	0	0	0	0	0	0	1	1	1	1	2	3	4
	2000	0	0	0	0	0	0	1	1	1	1	1	2	4
RWU75 (EP) RWU90 (EP)	14	3	5	8	14	20	32	46	71	96	123	155	194	200
	12	2	4	7	12	17	28	40	62	83	107	134	168	200
	10	1	3	6	10	14	24	34	52	70	91	114	143	200
	8	1	1	3	6	8	14	20	31	42	54	68	85	123
	6	1	1	1	3	5	8	11	18	24	31	39	49	70

(Continued)

TABLE 6 (Continued)

Size of Conduit or Tubing — Inches		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
Type	Conductor													
	Size AWG, MCM													
RWU75 (EP) RWU90 (EP)	4	0	1	1	3	4	6	9	14	19	25	32	40	57
	3	0	1	1	2	3	6	8	13	17	23	28	35	51
	2	0	1	1	2	3	5	7	11	15	20	25	31	46
	1	0	1	1	1	2	4	5	9	12	15	19	24	35
	0	0	0	1	1	1	3	5	8	10	13	17	21	31
	00	0	0	1	1	1	3	4	7	9	12	15	18	27
	000	0	0	1	1	1	2	4	6	8	10	13	16	23
	0000	0	0	0	1	1	2	2	5	7	9	11	14	20
	250	0	0	0	1	1	1	2	4	5	6	8	10	15
	300	0	0	0	1	1	1	1	3	4	6	7	9	13
	350	0	0	0	0	1	1	1	3	4	5	7	8	12
	400	0	0	0	0	1	1	1	3	4	5	6	8	11
	500	0	0	0	0	0	1	1	2	3	4	5	7	10
	600	0	0	0	0	0	1	1	1	3	4	4	6	8
	700	0	0	0	0	0	1	1	1	2	3	4	5	8
	750	0	0	0	0	0	1	1	1	2	3	4	5	7
	800	0	0	0	0	0	1	1	1	2	3	4	5	7
	900	0	0	0	0	0	1	1	1	1	3	3	4	6
	1000	0	0	0	0	0	0	1	1	1	2	3	4	6
	1250	0	0	0	0	0	0	0	1	1	1	2	3	4
	1500	0	0	0	0	0	0	0	1	1	1	1	2	4
	1750	0	0	0	0	0	0	0	1	1	1	1	2	3
	2000	0	0	0	0	0	0	0	1	1	1	1	1	3

T	14	9	15	25	44	60	99	142	200	200	200	200	200	200	200	200
TW	12	7	12	20	35	47	78	111	171	200	200	200	200	200	200	200
TWH	10	5	9	15	26	36	60	85	131	176	200	200	200	200	200	200
R90	8	2	4	7	12	17	28	40	62	83	107	134	168	200	200	200
Silicone	6	1	1	4	7	10	16	23	36	48	62	78	97	141	141	141
(Sizes No.	4	1	1	3	5	7	12	17	27	36	47	58	73	106	106	106
8 and	3	1	1	2	4	6	10	15	23	31	40	50	63	91	91	91
larger)	2	1	1	2	4	5	9	13	20	27	34	43	54	78	78	78
RW75	1	0	1	1	3	4	6	9	14	19	25	31	39	57	57	57
(XLPE)	0	0	0	1	2	3	5	8	12	16	21	27	33	49	49	49
R90	00	0	1	1	1	3	5	7	10	14	18	23	28	41	41	41
(XLPE)	000	0	0	1	1	2	4	6	9	12	15	19	24	35	35	35
RW90	0000	0	0	1	1	1	3	5	7	10	13	16	20	29	29	29
(XLPE)	250	0	0	0	1	1	2	4	6	8	10	13	16	23	23	23
RW90	300	0	0	0	1	1	2	3	5	7	9	11	14	20	20	20
(XLPE)	350	0	0	0	1	1	1	3	4	6	8	10	12	18	18	18
RW90	400	0	0	0	1	1	1	2	4	5	7	9	11	16	16	16
(XLPE)	500	0	0	0	0	1	1	1	3	4	6	7	9	14	14	14
RW90	600	0	0	0	0	1	1	1	3	4	5	6	7	11	11	11
(XLPE)	700	0	0	0	0	0	1	1	2	3	4	5	7	10	10	10
RW90	750	0	0	0	0	0	1	1	2	3	4	5	6	9	9	9
(XLPE)	800	0	0	0	0	0	1	1	1	3	4	5	6	9	9	9
RW90	900	0	0	0	0	0	1	1	1	2	3	4	5	8	8	8
(XLPE)	1000	0	0	0	0	0	1	1	1	2	3	4	5	7	7	7
RW90	1250	0	0	0	0	0	0	1	1	1	2	3	4	6	6	6
(XLPE)	1500	0	0	0	0	0	0	1	1	1	1	3	3	5	5	5
RW90	1750	0	0	0	0	0	0	0	1	1	1	2	3	4	4	4
(XLPE)	2000	0	0	0	0	0	0	0	1	1	1	1	2	4	4	4

(Continued)

TABLE 6 (Continued)

Size of Conduit or Tubing — Inches		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
Conductor														
Type	Size AWG, MCM													
R90 Silicone	14	5	10	16	27	37	62	88	136	183	200	200	200	200
	12	4	8	13	23	31	51	73	112	150	193	200	200	200
	10	3	6	10	18	25	41	58	90	121	155	195	200	200
THHN	14	13	24	39	69	93	154	200	200	200	200	200	200	200
	12	10	18	29	51	69	115	163	200	200	200	200	200	200
	10	6	11	18	32	44	73	104	160	200	200	200	200	200
	8	3	6	11	19	25	42	60	93	125	160	200	200	200

*Where the calculated number of conductors, all of the same size, includes a decimal fraction, the next higher whole number shall be used where this decimal is 0.8 or larger.

TABLE 7
(See Rule 12-1116)

SIZE OF CONDUIT OR TUBING FOR A GIVEN NUMBER OF LEAD-SHEATHED CABLES
(NOT MORE THAN FOUR)

Types RL 90 and VL)
(0—600 V)

NOTE: Subject to the range of conductors and types of wires for which aluminum conductors are approved.

Size AWG MCM Copper or Aluminum	Trade Size of Conduit or Tubing—Inches											
	Single-Conductor Cable				2-Conductor Cable Flat or Round				3-Conductor Cable			
	Number of Cables in One Conduit											
	1	2	3	4	1	2	3	4	1	2	3	4
14	1/2	3/4	3/4	1	3/4	1 1/4	1 1/4	1 1/2	3/4	1 1/4	1 1/2	1 1/2
12	1/2	3/4	3/4	1	3/4	1 1/4	1 1/2	2	1	1 1/2	1 1/2	2
10	1/2	1	1	1 1/4	1	1 1/2	2	2	1	2	2	2 1/2
8	1/2	1 1/4	1 1/4	1 1/4	1	2	2	2 1/2	1 1/4	2 1/2	2 1/2	3
6	3/4	1 1/4	1 1/4	1 1/2	1 1/4	2 1/2	2 1/2	3	1 1/4	2 1/2	3	3
4	3/4	1 1/4	1 1/2	2	1 1/4	2 1/2	3	3	1 1/2	3	3	3 1/2
3	3/4	1 1/4	1 1/2	2	1 1/4	3	3	3 1/2	1 1/2	3	3	3 1/2
2	1	1 1/2	1 1/2	2	1 1/4	3	3	3 1/2	2	3 1/2	3 1/2	4
1	1	2	2	2	1 1/2	3 1/2	3 1/2	4	2	3 1/2	4	5
0	1	2	2	2 1/2	2	3 1/2	3 1/2	5	2	4	4	5
00	1	2	2	2 1/2	2	3 1/2	4	5	2	4	5	5
000	1 1/4	2	2 1/2	3	2	4	4	5	2 1/2	5	5	6
0000	1 1/4	2 1/2	2 1/2	3	2 1/2	5	5	6	2 1/2	5	5	6

(Continued)

TABLE 7 (Continued)

Size AWG MCM Copper or Aluminum	Trade Size of Conduit or Tubing—Inches											
	Single-Conductor Cable				2-Conductor Cable Flat or Round				3-Conductor Cable			
	Number of Cables in One Conduit											
	1	2	3	4	1	2	3	4	1	2	3	4
250	1¼	2½	3	3	2½	5	5	6	3	6	6	—
300	1¼	3	3	3½	3	5	6	—	3	6	6	—
350	1½	3	3	3½	3	6	6	—	3	6	6	—
400	1½	3	3	3½	3	6	6	—	3½	6	—	—
500	1½	3	3½	4	3	6	—	—	3½	—	—	—
600	2	3½	4	5	3½	—	—	—	4	—	—	—
700	2	4	4	5	4	—	—	—	4	—	—	—
750	2	4	4	5	4	—	—	—	4	—	—	—
800	2	4	5	5	4	—	—	—	5	—	—	—
900	2½	4	5	5	4	—	—	—	5	—	—	—
1000	2½	5	5	6	5	—	—	—	5	—	—	—
1250	2½	5	5	6	—	—	—	—	—	—	—	—
1500	3	5	6	—	—	—	—	—	—	—	—	—
1750	3	6	6	—	—	—	—	—	—	—	—	—
2000	3	6	6	—	—	—	—	—	—	—	—	—

NOTE: The above conduit or tubing sizes apply to straight runs or to those with nominal off-sets equivalent to not more than two quarter-bends.

TABLE 8
(See Rule 12-1116)

MAXIMUM ALLOWABLE PER CENT CONDUIT AND TUBING FILL

	Maximum Conduit and Tubing Fill Per Cent				
	Number of Conductors or Multi-conductor Cables				
	1	2	3	4	Over 4
Conductors or multi-conductor cables (not lead-sheathed)	53	31	40	40	40
Lead-sheathed conductors or multi-conductor cables	55	30	40	38	35

TABLE 9

(See Rule 12-1116)

CROSS-SECTIONAL AREAS OF CONDUIT AND TUBING

Trade Size Inches	Internal Diameter Inches	Per Cent Cross-Sectional Area of Conduit and Tubing — Square Inches							
		100%	55%	53%	40%	38%	35%	31%	30%
1/2	0.622	0.30	0.165	0.159	0.120	0.114	0.105	0.09	0.090
3/4	0.824	0.53	0.292	0.281	0.212	0.202	0.185	0.16	0.159
1	1.049	0.86	0.473	0.456	0.344	0.327	0.301	0.27	0.258
1 1/4	1.380	1.50	0.825	0.795	0.600	0.570	0.525	0.47	0.450
1 1/2	1.610	2.04	1.122	1.081	0.816	0.776	0.714	0.63	0.612
2	2.067	3.36	1.848	1.780	1.344	1.277	1.176	1.04	1.008
2 1/2	2.469	4.79	2.635	2.540	1.916	1.820	1.677	1.48	1.437
3	3.068	7.38	4.060	3.910	2.952	2.805	2.585	2.29	2.214
3 1/2	3.548	9.90	5.450	5.250	3.960	3.765	3.465	3.07	2.970
4	4.026	12.72	7.000	6.745	5.088	4.840	4.450	3.94	3.820
4 1/2	4.506	15.94	8.771	8.452	6.378	6.060	5.581	4.94	4.784
5	5.047	20.00	11.000	10.600	8.000	7.600	7.000	6.20	6.000
6	6.065	28.89	15.900	15.320	11.556	10.980	10.120	8.96	8.670

TABLE 10

(See Rule 12-1116)

DIMENSIONS OF INSULATED CONDUCTORS FOR CALCULATING CONDUIT AND TUBING FILL

- NOTES: (1) Subject to the range of conductors and types of wires for which aluminum conductors are approved.
 (2) The dimensions represent average conditions only and variations will be found in dimensions of conductors of different manufacture.

Size AWG MCM	Rubber (Thermoset)- and Thermoplastic-Insulated Conductors (0—600 V)									
	Types RW75 and R90		Types T, TW, TWH, THHN†, § RW75 (XLPE) § RW90 (XLPE) § R90 Silicone, R90 (XLPE) §		Types TWU, RWU75 (XLPE) § RWU90 (XLPE) §		Types RWU75 EP RWU90 EP			
	Diameter Inches	Area Square Inches	Diameter Inches	Area Square Inches	Diameter Inches	Area Square Inches	Diameter Inches	Area Square Inches		
14	(2/64) 0.171	0.0230	0.131	0.0135	—	—	—	—	—	—
14	(3/64) 0.204*	0.0327*	0.166†	0.0216†	—	—	—	—	—	—
14	—	—	—	—	0.193	0.0293	0.231	0.0419		
12	(2/64) 0.188	0.0278	0.148	0.0172	—	—	—	—	—	—
12	(3/64) 0.221*	0.0384*	0.183†	0.0263†	—	—	—	—	—	—
12	—	—	—	—	0.209	0.0343	0.247	0.0479		
10	0.242	0.0460	0.168	0.0224	—	—	—	—	—	—
10	—	—	0.204†	0.0327†	—	—	—	—	—	—
10	—	—	—	—	0.230	0.0415	0.268	0.0564		

(Continued)

TABLE 10 (Continued)

Size AWG MCM	Rubber (Thermoset)- and Thermoplastic-Insulated Conductors (0—600 V)							
	Types RW75 and R90		Types T, TW, TWH, THHN‡, RW75 (XLPE) § RW90 (XLPE) § R90 Silicone, R90 (XLPE) §		Types TWU, RWU75 (XLPE) § RWU90 (XLPE) §		Types RWU75 EP RWU90 EP	
	Diameter Inches	Area Square Inches	Diameter Inches	Area Square Inches	Diameter Inches	Area Square Inches	Diameter Inches	Area Square Inches
8	0.311	0.0760	0.248	0.0475	0.324	0.0824	0.345	0.0935
6	0.397	0.1238	0.323	0.0819	0.363	0.1035	0.456	0.1633
4	0.452	0.1605	0.372	0.1087	0.412	0.1333	0.505	0.2003
3	0.481	0.1817	0.401	0.1263	0.440	0.1521	0.533	0.2231
2	0.513	0.2067	0.433	0.1473	0.473	0.1757	0.566	0.2516
1	0.588	0.2715	0.508	0.2027	0.544	0.2324	0.649	0.3308
0	0.629	0.3107	0.549	0.2367	0.585	0.2688	0.690	0.3739
00	0.675	0.3578	0.595	0.2781	0.632	0.3137	0.737	0.4266
000	0.727	0.4151	0.647	0.3288	0.684	0.3675	0.789	0.4889
0000	0.785	0.4840	0.705	0.3904	0.744	0.4347	0.849	0.5661
250	0.868	0.5917	0.788	0.4877	0.822	0.5307	0.977	0.7497
300	0.933	0.6837	0.843	0.5581	0.878	0.6055	1.033	0.8381
350	0.985	0.7620	0.895	0.6291	0.930	0.6793	1.085	0.9246
400	1.032	0.8365	0.942	0.6969	0.978	0.7512	1.133	1.0082
500	1.119	0.9834	1.029	0.8316	1.064	0.8891	1.219	1.1671

600	1.233	1.1940	1.143	1.0261	1.180	1.0936	1.301	1.3294
700	1.304	1.3355	1.214	1.1575	1.252	1.2311	1.373	1.4806
750	1.339	1.4082	1.249	1.2252	1.287	1.3009	1.408	1.5570
800	1.372	1.4784	1.282	1.2908	1.321	1.3706	1.442	1.6331
900	1.435	1.6173	1.345	1.4208	1.385	1.5066	1.506	1.7813
1000	1.494	1.7531	1.404	1.5482	1.444	1.6377	1.565	1.9236
1250	1.676	2.2062	1.577	1.9532	1.616	2.0510	1.809	2.5702
1500	1.801	2.5475	1.702	2.2748	1.741	2.3806	1.934	2.9377
1750	1.916	2.8895	1.817	2.5930	1.858	2.7113	2.051	3.3039
2000	2.021	3.2079	1.922	2.9013	1.966	3.0357	2.159	3.6610
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9

* These are the dimensions for Types RW75 and R90.

† Dimensions of R90 silicone in sizes No. 14 to 10 AWG. Dimensions of R90 silicone in sizes No. 8 AWG and larger are the same as Type TW.

‡ For Type THHN, diameter and area, respectively, are as follows:

AWG Size 14, 0.105 inches — 0.0087 square inches

AWG Size 10, 0.153 inches — 0.0184 square inches

AWG Size 12, 0.122 inches — 0.0117 square inches

AWG Size 8, 0.201 inches — 0.0317 square inches

§ Dimensions for Types RW75 (XLPE), R90 (XLPE), RW90 (XLPE), RWU75 (XLPE) and RWU90 (XLPE) conductors without a jacket.

TABLE 11

(See Rules 4-010, 4-018, 16-114, 22-108, 30-312, 38-006, 38-008, 38-016, 38-020, 44-400, 50-200, 70-108, 76-004, 76-012 and 78-006)

CONDITIONS OF USE, VOLTAGE, AND TEMPERATURE RATINGS OF FLEXIBLE CORDS, HEATER CORDS, TINSEL CORDS, EQUIPMENT WIRES, CHRISTMAS-TREE CORDS, POWER-SUPPLY CABLES, AND ELEVATOR CABLES

		Kind	CSA Type Designation (See Note (1))	Voltage Rating	Temperature Rating	Reference Notes
	Use				°C	
Dry Locations Only (Continued)	Not For Hard Usage (Continued)	Flexible Cord	C (1/32) C (3/64)	300 600	75 75	— —
		Heat- Resistant Flexible Cord	GTFC GTFPO GTFPD	600 600 600	125	2
					125	2
					125	2
		Heater Cord	HPD (1/64, 1/32)	300	90	—
		Heat- Resistant Equipment Wire	GTF (1/32, 3/64)	600	125	9

(Continued) Dry Locations Only	(Continued) Not For Hard Usage	Equipment- Wire	TXF	125	60	—
		Indoor Christmas- Tree Cord	TX PXT	125 125	60 60	— —
Damp (or Dry) Locations (Continued)	Elevator Cables (Travelling Cables)	E (0.020)		300	75	—
		E (0.045, 0.060)		300	75	—
	Flexible Cord	SV		300	60	18
		SVO		300	60	5, 7, 18, 20
		SVT		300	60	3, 7, 18, 20
		SPT-1		300	60	3
		SPT-2		300	60	3
	POT-64		125	60	3, 14	
	Heater Cord	HPN		300	90	7, 13
	Tinsel Cord	POT-Tinsel		125	60	—
		SV-Tinsel		125	60	—
		SVO-Tinsel		125	60	—
		SVT-Tinsel		125	60	—
	Equip- ment Wire	TEW		600	105	4, 7, 9, 21
		REW (1/64)		300	105	4, 7, 11, 21
		REW (1/32)		600	105	4, 7, 9, 11, 21
		SEWF-1		300	150	4, 10, 21
SEW-1			300	200	4, 10, 21	
SEWF-2			600	150	9, 10, 21	
SEW-2			600	200	9, 21	
TEWN		600	105	4, 7, 21		

(Continued)

TABLE 11 (Continued)

	Use	Kind	CSA Type Designation (See Note (1))	Voltage Rating Volts	Temperature Rating °C	Reference Notes
(Continued) Damp (or Dry) Locations	For Hard Usage	Flexible Cord	SJ	300	60	18, 19, 20
			SJO	300	60	5, 7, 18, 19, 20
			SJT	300	60	3, 7, 18, 19, 20
			SPT-3	300	60	3
	For Extra- Hard Usage	Heater Cord	HSJO	300	90	7, 15, 17, 19
		Flexible Cord	S	600	60	18, 19, 20
			SO	600	60	5, 7, 18, 19, 20
			ST	600	60	3, 7, 18, 19, 20
		Power Supply Cable	SG	600	60	—
			SGO	600	60	5, 7
			SW	600	60	—
			SWO	600	60	5, 7
			SWT	600	60	—
Wet (or Damp or Dry) Locations (Continued)	Elevator Cables (Travelling Cables)	Dryer and Range	DR	300	60	6
			DRT	300	60	6
			ETT (0.025, 0.030)	300	60	—
			EO (0.020)	300	75	7
	Not For Hard Usage	Outdoor Christmas- Tree Cord	EO (0.045, 0.060)	600	75	7
			CXWT (3/64)	300	60	—
			CXWT (1/16)	600	60	—
			PXWT	300	60	—
		Outdoor Equipment Wire	TXFW (3/64)	300	60	—

(Continued) Wet (or Damp or Dry) Locations	For Hard Usage	Outdoor Flexible Cord	SJOW SJTW	300 300	60 60	7, 8, 12, 18, 20 8, 16, 18, 20
	For Extra- Hard Usage	Outdoor Flexible Cord	SOW STW	600 600	60 60	7, 8, 12, 18, 20 8, 16, 18, 20
		Outdoor Power Supply Cable	SGOW SWOW SWTW	600 600 600	90 90 60	7, 8 7, 8 8

- NOTES:
- (1) In certain cases the thickness of rubber or thermoplastic insulation is indicated by the type designation, e.g., POT-64 indicates the insulation to be $\frac{1}{64}$ inch. In other cases the thickness in inches is shown in brackets following the type designation, e.g., C-(1/32).
 - (2) The cotton or rayon braid on Type GTFC, and the cotton or rayon outer covering on Types GTFPO, and GTFPD are limited to 90°C; and 125°C rating applying only to the conductor insulation.
 - (3) When Types POT-64, SPT-1, SPT-2, SPT-3, SVT, SJT, and ST are provided with thermoplastic conductor insulation and thermoplastic jacket material both rated at 105°C this overall temperature rating is surface marked on the jacket in addition to the type designation.
 - (4) Types REW, SEW, SEWF, TEW and TEWN may be used in Class I circuits in accordance with Rule 16-114(2).
 - (5) When Types SVO, SJO, SO, SWO, and SGO are provided with conductor insulation and jacket material both rated at 90°C this overall temperature rating is surface marked on the jacket in addition to the type designation.
 - (6) Dryer and range cables are for use only in approved domestic dryer and range power-supply cords. These cables are not for sale to the public for general use.
 - (7) When exposed to oil, the temperature rating of the jacket of Types SVO, SVT, SJO, SJT, HSJO, SO, ST, SGO, SGOW, SWO, SOW, EO, SJOW and SWOW and the insulation of Type HPN heater cord and TEWN, REW and TEW equipment wire is limited to 60°C regardless of the temperature rating of the insulation.
 - (8) Types SJOW, SJTW, SOW, STW, SWTW, SGOW and SWOW are surface printed to show the type designation.
 - (9) Types GTF, REW (1/32), TEW, SEWF-2 and SEW-2 may be used in raceways in accordance with Rule 30-312(2)(c)(ii).

(Continued)

TABLE 11 (Continued)

- (10) Types SEWF-1 and SEWF-2 with a nickel or a nickel-coated copper conductor have a temperature rating of 200°C. Types SEW-1 and SEWF-1 with a nickel conductor may also have a temperature rating of 250°C.
- (11) Types having cross-linked PVC insulation are surface marked with the type designation followed by (XLPVC) and types having cross-linked chlorinated polyethylene are surface marked with the type designation followed by (XLCPE).
- (12) Types SJOW and SOW may also be provided with 90°C wet or dry insulation. "90C" is surface marked on the surface of the jacket.
- (13) When Type HPN is provided with 105°C insulation, the temperature rating of the insulation is surface marked on the insulation.
- (14) Types PXT and POT-64 are not for sale to the public or for general use. They are for decorative lighting and electric clock use respectively.
- (15) When Type HSJO heater cord is provided with 90°C polychloroprene insulation (no asbestos insulation), the type designation "CR" and "90C" are surface printed on this cord.
- (16) When No. 10, 12, 14, 16 or 18 AWG Type STW and SJTW flexible cords are provided with a breather tube, "WITH BREATHER TUBE" is surface ink-printed on such cords.
- (17) When Type HSJO heater cords are provided with 90°C ethylene propylene rubber insulation (no asbestos insulation), the type designation and "EP" are surface marked on this cord and, in addition, "90C" is also surface marked on such Type HSJO cords.
- (18) When a shield is provided in Types SV, SVO, SVT, SJ, SJO, SJT, SJOW, SJTW, S, SO, ST, SOW and STW flexible cords "SHIELDED" is surface printed on such cords.
- (19) Types HSJO, SJ, SJO, SJT, S, SO and ST flexible cords are now recognized only as components of approved equipment.
- (20) When a shield and an extruded covering is provided over Types SV, SVO, SVT, SJ, SJO, SJT, SJOW, SJTW, S, SO, ST, SOW, and STW flexible cords, "SHIELDED AND OVERALL COVERING" is surface printed on such cords.
- (21) Suitable for use under Rule 38-006(2) when flame-retardant and moisture resistant.

TABLE 12

(See Rules 4-014 and 4-018)

ALLOWABLE AMPACITY OF FLEXIBLE CORD AND EQUIPMENT WIRE

Based on Ambient Temperature of 30°C

Allowable Ampacity									
Flexible Cord							Equipment Wire		
Size AWG	Tinsel Cords	Christmas- Tree Cord	Types C, E, EO, ETT	Types PXWT, SV, SVO, SJ†, SJO†, SJOW, S†, SO†, SG, SGO, SGOW, SW, SWO, SOW, SPT-1, SPT-2, SPT-3, POT-64, SVT, SJT †, SJTW, ST †, SWT, STW, SWTW, SWOW	Types HSJO †, HPD, HPN, DR, DRT	Types GTFC*, GTFPO*, GTFPD*	Types TXF, TXFW	Types GTF*, TEW*, SEW*, REW*, TEWN*, SEWF*	
	Types SV-Tinsel, SVO-Tinsel, POT-Tinsel, SVT-Tinsel	Types TX, CXWT, PXT							2 Current- Carrying Conductors
			0.5						— — — — —
27	0.5	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	1
24	—	—	—	—	—	—	—	—	2
22	—	—	—	—	—	—	—	—	3
20	—	2	—	—	—	—	2	—	4
18	—	5	5	—	10	7	—	5	6
16	—	7	7	—	15	10	—	7	8
14	—	15	15	—	18	15	—	—	17
12	—	20	20	—	25	20	—	—	23
10	—	—	25	—	30	25	—	—	28

(Continued)

TABLE 12 (Continued)

Allowable Ampacity										
Size AWG	Flexible Cord					Equipment Wire				
	Tinsel Cords	Christmas- Tree Cord	Types C, E, EO, ETT	Types PXWT, SV, SVO, SJ†, SJO†, SJOW, S‡, SO†, SG, SGO, SGOW, SW, SWO, SOW, SPT-1, SPT-2, SPT-3, POT-64, SVT, SJT †, SJTW, ST ‡, SWT, STW, SWTW, SWOW			Types HSJO ‡, HPD, HPN, DR, DRT	Types GTFC*, GTFPO*, GTFPD*	Types TXF, TXFW	
	Types SV-Tinsel, SVO-Tinsel, POT-Tinsel, SVT-Tinsel	Types TX, CXWT, PXT		2 Current- Carrying Conductors						3 Current- Carrying Conductors *
				2 Current- Carrying Conductors						
8	—	—	35	40	35	40†	—	—	40	
6	—	—	45	55	45	50†	—	—	55	
4	—	—	60	70	60	60†	—	—	70	
3	—	—	—	—	—	—	—	—	80	
2	—	—	80	95	80	—	—	—	95	
1	—	—	—	—	—	—	—	—	110	
1/0	—	—	—	—	—	—	—	—	125	
2/0	—	—	—	—	—	—	—	—	145	
3/0	—	—	—	—	—	—	—	—	165	
4/0	—	—	—	—	—	—	—	—	195	

*The derating factors of Rule 4-012(1)(b), (c), (d), and (e) are to be applied to these values for the types listed in this Column.

†These current ratings are for Types DR, and DRT domestic dryer and range cables only.

‡Types HSJO, SJ, SJO, SJT, S, SO and ST flexible cords are now recognized only as components of approved equipment.

TABLE 13*(See Rules 14-104 and 28-204)***RATING OR SETTING OF OVERCURRENT DEVICES PROTECTING
CONDUCTORS**

(For general use where not otherwise specifically provided for)

Ampacity of Conductor	Rating or Setting Permitted		Ampacity of Conductor	Rating or Setting Permitted	
	Fuse Amperes	Circuit Breaker Amperes		Fuse Amperes	Circuit Breaker Amperes
0-15	15	15	126-150	150	150
16-20	20	20	151-175	175	175
21-25	25	30	176-200	200	200
26-30	30	30	201-225	225	225
31-35	35	40	226-250	250	250
36-40	40	40	251-275	300	300
41-45	45	50	276-300	300	300
46-50	50	50	301-325	350	350
51-60	60	60	326-350	350	350
61-70	70	70	351-400	400	400
71-80	80	100	401-450	450	500
81-90	90	100	451-500	500	500
91-100	100	100	501-525	600	600
101-110	110	125	526-550	600	600
111-125	125	125	551-600	600	600

TABLE 14
(See Rule 8-210)

**WATTS PER SQUARE METRE AND DEMAND FACTORS FOR
SERVICES AND FEEDERS FOR VARIOUS TYPES OF OCCUPANCY**

Type of Occupancy	Watts Per Square Metre	Demand Factor Per Cent	
		Service Conductors	Feeders
Store, Restaurant	30	100	100
Office			
First 930 m ²	50	90	100
All in excess of 930 m ²	50	70	90
Industrial and Commercial	25	100	100
Church	10	100	100
Garage	10	100	100
Storage Warehouse	5	70	90
Theatre	30	75	95
Armouries and Auditoriums	10	80	100
Banks	50	100	100
Barber Shops and Beauty Parlors	30	90	100
Clubs	20	80	100
Court Houses	20	100	100
Lodges	15	80	100

TABLE 15
(See Rule 36-102)

BENDING RADII—HIGH-VOLTAGE CABLE

Type of Cable	Cable Diameter Multiplying Factor See Note		
	Up to and Including 1-Inch Diameter	Over 1-Inch Diameter and up to and Including 2-Inch Diameter	Over 2-Inch Diameter
Lead Covered	10	12	12
Corrugated Aluminum Sheathed	10	12	12
Smooth Aluminum Sheathed	12	15	18
Tape Shielded	12	12	12
Flat Tape Armoured	12	12	12
Wire Armoured	12	12	12
Non-shielded	7	7	7
Wire Shielded	7	7	7
Portable Power Cables 5 kV and Less	6	6	6
Portable Power Cables Over 5 kV	8	8	8

NOTE: *Bending radii is that measured at the innermost surface and equals the overall diameter of the cable multiplied by the appropriate number shown in Columns 2, 3, and 4.*

TABLE 16

(See Rules 10-522, 10-812, 10-814, 12-1814, and 24-104)

MINIMUM SIZE CONDUCTORS, METALLIC CONDUIT OR ELECTRICAL METALLIC TUBING FOR GROUNDING RACEWAYS AND EQUIPMENT

Rating or Setting of Overcurrent Device in Circuit Ahead of Equipment, Conduit, Etc.	Size of Grounding Conductor		Size of Metallic Conduit or Pipe	Electrical Metallic Tubing
	Copper Wire	Aluminum Wire		
Not Exceeding— Amperes	AWG	AWG	Inches	Inches
20	14	12	$\frac{1}{2}$	$\frac{1}{2}$
30	12	10	$\frac{1}{2}$	$\frac{1}{2}$
40	10	8	$\frac{1}{2}$	1
60	10	8	$\frac{3}{4}$	1
100	8	6	1	$1\frac{1}{4}$
200	6	4	$1\frac{1}{4}$	$1\frac{1}{2}$
300	4	2	$1\frac{1}{4}$	$1\frac{1}{2}$
400	3	1	$2\frac{1}{2}$	$2\frac{1}{2}$
500	2	0	$2\frac{1}{2}$	$2\frac{1}{2}$
600	1	00	3	4
800	0	000	4	4
1000	00	0000	4	4
1200	000	250 MCM	6	—
1600	0000	350 MCM	—	—
2000	250 MCM	400 MCM	—	—
2500	350 MCM	500 MCM	—	—
3000	400 MCM	600 MCM	—	—
4000	500 MCM	800 MCM	—	—
5000	700 MCM	1000 MCM	—	—
6000	800 MCM	1250 MCM	—	—

TABLE 17

(See Rules 10-204, 10-206, 10-208 and 10-812)

**MINIMUM SIZE OF GROUNDING CONDUCTOR FOR AC SYSTEMS
OR COMMON GROUNDING CONDUCTOR**

Ampacity of Largest Service Conductor or Equivalent for Multiple Conductors	Size of Copper Grounding Conductor AWG
100 or less	8
101 to 125	6
126 to 165	4
166 to 200	3
201 to 260	2
261 to 355	0
356 to 475	00
Over 475	000

NOTE: *The ampacity of the largest service conductor, or equivalent if multiple conductors are used, is to be determined from the appropriate Code Table taking into consideration the number of conductors in the conduit and the type of insulation.*

TABLE 18
(See Rule 10-812)

**MINIMUM SIZE OF GROUNDING CONDUCTOR FOR SERVICE
RACEWAY AND SERVICE EQUIPMENT**

Ampacity of Largest Service Conductors or Equivalent for Multiple Conductors Not Exceeding—Amperes	Size of Grounding Conductor		
	Copper Wire AWG	Metallic Conduit or Pipe Inches	Electrical Metallic Tubing Inches
60	8	$\frac{3}{4}$	1
100	8	1	$1\frac{1}{4}$
200	6	$1\frac{1}{4}$	$1\frac{1}{2}$
400	3	$2\frac{1}{2}$	$2\frac{1}{2}$
600	1	3	4
800	0	4	4
Over 800	00	6	6

TABLE 19

(See Rules 4-006, 6-300, 12-100, 12-302, 12-404, 12-702, 12-706, 12-1002, 12-2104, 12-2204, 12-2304, 16-114, 16-210, 22-200, 22-202, 22-206, 26-642, 30-312, 30-1004, 30-1102, 32-100, 32-200, 38-006 and 74-004)

CONDITIONS OF USE AND MAXIMUM ALLOWABLE CONDUCTOR TEMPERATURE
OF WIRES AND CABLES OTHER THAN FLEXIBLE CORDS AND EQUIPMENT WIRES

Conditions of Use	Trade Designation	CSA Type Designation	Maximum Allowable Conductor Temperature	Reference Notes
			°C	
For exposed wiring in dry locations only	Armoured Cable	TECK90 AC90	90	4, 10, 12 4, 10, 12
			90	
For exposed wiring in dry locations where exposed to corrosive action, if suitable for corrosive conditions encountered	Armoured Cable	TECK90	90	2, 4, 10, 12
	Varnished-Cambrie Insulated Cable	V	85	—
For exposed wiring in dry locations where exposed to heat, grease or corrosive fumes, if suitable for corrosive condition encountered	Asbestos Insulated Cable	A-7	200	3
For exposed wiring in dry locations where not exposed to mechanical injury	Non-metallic Sheathed Cable	NMD-7	90	—

(Continued)

TABLE 19 (Continued)

Conditions of Use	Trade Designation	CSA Type Designation	Maximum Allowable Conductor Temperature	Reference Notes
			°C	
For exposed wiring in dry locations and in Category 1 and 2 locations, where not exposed to mechanical injury	Non-metallic Sheathed Cable	NMW-9, NMW-10	60	—
	Rubber (Thermoset-) Insulated Cable	R90	90	4, 9, 10, 11, 12
	Thermoplastic-Insulated Cable	T	60	4
	Nylon Jacketed Thermoplastic-Insulated Cable	THHN	90	14
For exposed wiring in dry or damp locations	Non-metallic Sheathed Cable	NMD-7	90	18
	Armoured Cable	TECK90	90	4, 7, 10, 12
		ACWU75	75	7
		ACL90	90	4, 7, 10, 12
For exposed wiring in wet locations (Continued)	Armoured Cable	ACWU90	90	4, 7, 10, 12
		RW75	75	4, 7, 10, 12
	Rubber (Thermoset-) Insulated Cable	RL90, RW90	90	4, 7, 10, 12
	Aluminum-Sheathed Cable	RA75	75	7
		VA	85	7
		RA90 A-7A	90 200	4, 7, 10, 12 3, 7

(Continued) For exposed wiring in wet locations	Mineral-Insulated Cable	MI, LWMI	90	1, 7
	Thermoplastic-Insulated Cable	TW TWH	60 75	4, 7 4, 7
	Non-metallic Sheathed Cable	NMW-10	60	7, 8
	Varnished-Cambic Insulated Cable	VL	85	7
	Armoured Cable	TECK90	90	4, 10, 12
For exposed wiring where exposed to the weather	Rubber (Thermoset-) Insulated Cable	RW75 with thermoset jacket RW75 with minus 40°C thermoplastic jacket RW75	75	4, 10, 12 4, 10, 12 4, 10
		R90, RW90 each with thermoset jacket RW90 with minus 40°C thermoplastic jacket R90, RW90	90	4, 10, 12 4, 10, 12 4, 10
		TW, TWU each with insulation having improved low-temperature properties	60	4
	Thermoplastic-Insulated Cable	TW/U with insulation having improved low-temperature properties	75	4
	Neutral-Supported Cable	NS-1, NSF-1	75	—
	Non-metallic Sheathed Cable	NMW-10	60	8

(Continued)

TABLE 19 (Continued)

Conditions of Use	Trade Designation	CSA Type Designation	Maximum Allowable Conductor Temperature	Reference Notes
			°C	
For concealed wiring dry locations only	Armoured Cable	TECK90 AC90	90 90	4, 10, 12 4, 10, 12
For concealed wiring dry and damp locations	Non-metallic Sheathed Cable	NMD-7	90	18
For concealed wiring in dry locations and in Category 1 and 2 locations where not exposed to mechanical injury	Non-metallic Sheathed Cable	NMW-9, NMW-10	60	—
For concealed wiring in wet locations	Armoured Cable	TECK90 ACWU75 ACL90 ACWU90	90 75 90 90	4, 7, 10, 12 7 4, 7, 10, 12 4, 7, 10, 12
	Non-metallic Sheathed Cable	NMW-10	60	7, 8
	Aluminum-Sheathed Cable	RA75 VA	75	7
		RA90	85	7
		A-7A	90 200	4, 7, 10, 12 3, 7
	Mineral-Insulated Cable	MI, L WMI	90	1, 7

For concealed knob-and-tube wiring in dry or damp locations	Rubber (Thermoset-) Insulated Cable	R90	90	4, 9, 10, 11, 12
	Thermoplastic-Insulated Cable	T	60	4
	Nylon Jacketed Thermoplastic-Insulated Cable	THHN	90	14
For concealed knob-and-tube wiring in wet locations	Rubber (Thermoset-) Insulated Cable	RW75 RW90	75 90	4, 7, 10, 12 4, 7, 10, 12
	Thermoplastic-Insulated Cable	TW TWH	60 75	4, 7 4, 7
	Varnished-Cambric Insulated Cable	V	85	2
For use in raceways, except cabletroughs and ventilated flexible cableway, dry locations only	Thermoplastic and Asbestos Insulated Cable	A-18	90	—
	Rubber (Thermoset-) Insulated Cable	R90	90	4, 9, 10, 11, 12
	Thermoplastic-Insulated Cable	T	60	4
For use in raceways, except cabletroughs and ventilated flexible cableway, in dry or damp locations	Nylon Jacketed Thermoplastic-Insulated Cable	THHN	90	14
	Rubber (Thermoset-) Insulated Cable	RW75, RWU75 RW90, RWU90	75 90	4, 7, 10, 12 4, 7, 10, 12
	Thermoplastic-Insulated Cable	TW, TWU TWH, TWHU	60 75	4, 6, 7 4, 7

(Continued)

TABLE 19 (Continued)

Conditions of Use	Trade Designation	CSA Type Designation	Maximum Allowable Conductor Temperature	Reference Notes
			°C	
For use in ventilated, non-ventilated and ladder type cabletroughs and ventilated flexible cableway in dry locations only	Armoured Cable	AC90 TECK90	90	4, 10, 12
			90	4, 10, 12
For use in ventilated, non-ventilated and ladder type cabletroughs and ventilated flexible cableway in wet locations	Armoured Cable	TECK90	90	4, 7, 10, 12
		ACWU75	75	7
		ACL90	90	4, 7, 10, 12
		ACWU90	90	4, 7, 10, 12
	Aluminum-Sheathed Cable	RA75	75	7
		VA	85	7
		RA90 A-7A	90 200	4, 7, 10, 12 3, 7
For use in ventilated and non-ventilated cabletroughs and ventilated flexible cableway in vaults and switchrooms	Mineral-Insulated Cable	MI, LWMI	90	7
	Rubber (Thermoset-) Insulated Lead-Sheathed Cable	RL90	90	4, 7, 10, 12
	Varnished-Cambrie Insulated Lead-Sheathed Cable	VL	85	7
	Rubber (Thermoset-) Insulated Cable	RW75 RW90	75 90	4, 10, 12, 13 4, 10, 12, 13

For direct earth burial (with protection as required by inspection authority)	Armoured Cable	ACWU75 ACL90 ACWU90 TECK90	75 90 90 90	5 4, 5, 10, 12 4, 5, 10, 12 4, 5, 10, 12
	Non-metallic Sheathed Cable	NMW-10	60	5
	Rubber (Thermoset -) Insulated Cable	RWU75 RL90, RWU90	75 90	4, 5, 10, 12 4, 5, 10, 12
	Aluminum-Sheathed Cable	RA75 VA RA90 A-7A	75 85 90 200	5 5 4, 5, 9, 10 3, 5
	Mineral-Insulated Cable	MI, LWMI	90	1, 5
	Varnished-Cambic Insulated Cable	VL	85	5
	Thermoplastic-Insulated Cable	TWU TWHU	60 75	4, 5, 6 4, 5
	Service-Entrance Cable	SE, USE SE Style RA75 USE Style RA75	60 75 75	— — —
	Armoured Cable	ACWU75 ACL90 ACWU90 TECK90	75 90 90 90	— — — —

(Continued)

TABLE 19 (Continued)

Conditions of Use	Trade Designation	CSA Type Designation	Maximum Allowable Conductor Temperature	Reference Notes
			°C	
(Continued) For service entrance above ground	Aluminum-Sheathed Cable	RA75 VA RA90 A-7A	75	—
			85	—
			90	—
			200	—
For service entrance below ground (Continued)	Mineral-Insulated Cable	MI	85	1
	Service-Entrance Cable	USE	60	—
		USE Style RA75	75	5
		USEI90	90	4, 5, 10, 12
		USEI75	75	4, 5
		USEB90	90	4, 5, 10, 12, 15
	Thermoplastic Insulated Wire	TWU	60	4, 5
		TWHU	75	4, 5
	Rubber (Thermoset -) Insulated Cable	RWU75	75	4, 5, 10, 12
		RWU90	90	4, 5, 10, 12
	Armoured Cable	TECK90	90	—
		ACWU75	75	—
		ACL90	90	—
		ACWU90	90	—
	Aluminum-Sheathed Cable	RA75 VA RA90 A-7A	75	5
			85	5
			90	5
			200	5

<i>(Continued)</i> For service entrance below ground	Mineral-Insulated Cable	MI	85	1, 5
	Varnished-Cambric Insulated Cable	VL	85	5
For high-voltage wiring in luminous-tube signs	Luminous-Tube Sign Cable	GTO, GTOL	60	—
For use in raceways in hoistways	Hoistway Cable	—	60	16, 17
For use in Class 2 circuits, in exposed or concealed wiring or use in raceways, in dry or damp locations	Extra-Low-Voltage Control Cable	LVT	60	—

- NOTES: (1) *A maximum copper sheath temperature of 250°C is permissible for mineral-insulated cable, provided the temperature at the terminations does not exceed that specified in Tables 1 and 2. Any protective covering provided shall be suitable for the applicable sheath temperature.*
- (2) *May be used where exposed to heat, grease, or corrosive fumes, if suitable for the corrosive condition.*
- (3) *For bare or tinned copper conductors having individual strands smaller in diameter than 0.015 inch, the maximum allowable conductor temperature is 150°C.*
- (4) *When any of these types have an insulation or covering suitable for installation and use at temperatures down to minus 40°C, they are surface printed with the type designation followed by “MINUS 40C” or “(-40C)”.*
- (5) *Conductors or cable assemblies acceptable for direct earth burial may be used for underground services in accordance with Rule 6-300.*
- (6) *Types TW and TWU when provided with a nylon jacket are also approved for use where adverse conditions may exist, such as in oil refineries and around gasoline storage or pump areas (e.g., where subjected to alkaline conditions in the presence of petroleum solvents).*
- (7) *Types suitable for use in wet locations may also be used in dry or damp locations.*
- (8) *Type NMW-10 cable is not suitable for use in aerial spans.*
- (9) *Types having silicone rubber insulation are surface marked with the type designation followed by “silicone” e.g., R90 (silicone).*

(Continued)

TABLE 19 (Continued)

- (10) Types having cross-linked polyethylene insulation are surface marked with the type designation followed by “X-Link” or “XLPE” e.g., R90 (X-Link) or R90 XLPE.
- (11) Type R90 silicone may be used to connect equipment which is marked as requiring supply conductors having insulation suitable for a temperature up to 125°C.
- (12) Types having ethylene-propylene insulation are surface marked with the type designation followed by “EP”, e.g., R90 (EP).
- (13) Types RW75 and RW90, when used under Rules 12-2204 and 12-2304, are required to be flame retardant.
- (14) When exposed to oil, Type THHN is limited to 60°C.
- (15) Type USEB90 shall have a non-metallic jacket over concentric neutral conductor.
- (16) Hoistway cables may also be provided with 90°C insulation. The temperature rating 90°C is surface marked on the insulation of such cables.
- (17) Except for short runs not exceeding 1.5 m in length the parallel construction is intended for use in raceways in which the cables are laid in.
- (18) With thermoplastic jacket in damp locations.

TABLE 20*(See Rules 12-204 and 12-214)***SPACINGS FOR CONDUCTORS**

Voltage of Circuit	Minimum Distance	
	Millimetres	
	Between Conductors	From Adjacent Surfaces
Volts		
0 to 300	65	13
301 to 750	100	25

TABLE 21*(See Rule 12-120)***SUPPORTING OF CONDUCTORS IN VERTICAL RUNS OF RACEWAYS**

Conductor Sizes	Maximum Distance—Metres	
	Copper	Aluminum
AWG and MCM		
14 to 8	30	30
6 to 0	30	60
00 to 0000	24	55
220 to 350	18	40
Over 350 to 500	15	35
Over 500 to 750	12	30
Over 750	10	25

TABLE 22
(See Rule 12-3040)

SPACE FOR CONDUCTORS IN BOXES

Size of Conductor	Usable Space Required for Each Insulated Conductor
AWG	Cubic Inches
14	1.5
12	1.75
10	2.25
8	2.75
6	4.5

TABLE 23
(See Rule 12-3040)

NUMBER OF CONDUCTORS IN BOXES

Box Dimensions Inches Trade Size		Cubic Inch Capacity	Maximum Number of Conductors				
			Size AWG				
			14	12	10	8	6
Octagonal	4 × 1½	15	10	8	6	5	3
	4 × 2⅛	21	14	12	9	7	4
Square	4 × 1½	21	14	12	9	7	4
	4 × 2⅛	30	20	17	13	10	6
	4⅞ × 1½	30	20	17	13	10	6
	4⅞ × 2⅛	42	28	24	18	15	9
Round	4 × ½	5	3	2	2	1	1

(Continued)

TABLE 23 (Continued)

Box Dimensions Inches Trade Size		Cubic Inch Capacity	Maximum Number of Conductors				
			Size AWG				
			14	12	10	8	6
Device	3 × 2 × 1½	8	5	4	3	2	1
	3 × 2 × 2	10	6	5	4	3	2
	3 × 2 × 2¼	10	6	5	4	3	2
	3 × 2 × 2½	12.5	8	7	5	4	2
	3 × 2 × 3	15	10	8	6	5	3
	4 × 2 × 1½	9	6	5	4	3	2
	4 × 2½ × 1½	10	6	5	4	3	2
	4 × 2½ × 1¾	15	10	8	6	5	3
	4 × 2½ × 1⅞	14	9	8	6	5	3
	4 × 2¾ × 1⅞	16	10	9	7	5	3
Masonry	¾ × 2 × 2½	14/ gang	9	8	6	5	3
	¾ × 2 × 3½	21/ gang	14	12	9	7	4
	4 × 2¼ × 2¾	20.25/ gang	13	11	9	7	4
	4 × 2¼ × 3¾	22.25/ gang	14	12	9	8	4
Through Box	¾ × 2	6/inch	4	3	2	2	1
Concrete Ring	4	12/ inch	8	6	5	4	2
FS	1 Gang	14	9	8	6	5	3
	1 Gang Tandem	34	22	19	15	12	7
	2 Gang	26	17	14	11	9	5
	3 Gang	41	27	23	18	14	9
	4 Gang	56	37	32	24	20	12
FD	1 Gang	22.5	15	12	10	8	5
	2 Gang	41	27	23	18	14	9
	3 Gang	60	40	34	26	21	13
	4 Gang	85	56	48	37	30	18

TABLE 24
(See Rule 70-130)

MINIMUM INSULATION RESISTANCES FOR INSTALLATIONS

Installation	Insulation Resistance
Copper or Aluminum	Ohms
For circuits of No. 14 or No. 12 AWG	1 000 000
For circuits of No. 10 AWG or larger	
25 to 50 A	250 000
51 to 100 A	100 000
101 to 200 A	50 000
201 to 400 A	25 000
401 to 800 A	12 000
Over 800 A	5 000

NOTE: *Where lampholders, receptacles, fixtures, baseboard heaters or other appliances are connected to the installation or where excessive humidity exists lower insulation resistance values may be expected.*

TABLE 25

(See Rules 14-306 and 28-306)

OVERCURRENT TRIP COILS FOR CIRCUIT BREAKERS AND OVERLOAD DEVICES FOR PROTECTING MOTORS

For Circuit Protection*		System	For Motor Overload Protection		Kind of Motor
Number and Location of Overcurrent Devices (Trip Coils)			Number and Location of Overload Devices such as Trip Coils, Relays, or Thermal Cutouts		
3-trip coils, one in each conductor		3-wire, 3-phase ac, ungrounded or with grounded neutral	3 — one in each phase not to be connected in any neutral conductor		3-phase ac
3-trip coils, one in each phase		4-wire, 3-phase ac			
2-trip coils, one in each phase†		4-wire, 2-phase ac, ungrounded	2 — one in each phase, not to be connected in any neutral or grounded conductor		2-phase ac
2-trip coils, one in each outside conductor		3-wire, 2-phase ac			
4-trip coils, one in each ungrounded conductor		4-wire, 2-phase ac, with grounded neutral			
4-trip coils, one in each ungrounded conductor		5-wire, 2-phase ac			
2-trip coils, one in each outside conductor		3-wire, 1-phase ac or dc			
1-trip coil in each ungrounded conductor		2-wire ac or dc, ungrounded or with one conductor grounded‡	1 — in any conductor except a neutral or grounded conductor		1-phase ac or dc
2-trip coils, one in each ungrounded conductor		3-wire, 1-phase ac or dc, with grounded neutral			

*This will not preclude the use of other arrangements which will provide equivalent protection.

†For Services see Section 6.

‡This will not prevent the use of one single-pole circuit breaker in each conductor for the protection of an ungrounded 2-wire circuit.

TABLE 26

(See Rules 28-106, 28-200, 28-204, 28-208, 28-210, 28-300, 28-304 and 28-808)

SIZES OF CONDUCTORS, FUSE RATINGS, AND CIRCUIT BREAKER SETTINGS
FOR MOTOR OVERLOAD PROTECTION AND MOTOR CIRCUIT OVERCURRENT PROTECTION

(This Table is based on Table 29 and a room temperature of 30°C.)

Full-load Current Rating of Motor		Overload Protection for Running Protection of Motors		Overcurrent Protection Maximum Allowable Rating of Fuses and Maximum Allowable Setting of Circuit Breakers of the Time-Limit Type for Motor Circuits											
		Minimum Allowable Ampacity of Conductor	Maximum Rating of Type D Fuses	Maximum Setting of Overload Devices	Single Phase All Types and Squirrel Cage and Synchronous (Full Voltage, Resistor and Reactor Starting)			Squirrel Cage and Synchronous (Autotransformer and Star-Delta Starting)			DC or Wound Rotor AC				
					Non-time Delay Fuses	Time Delay* “D” Fuses	Circuit Breaker	Non-time Delay Fuses	Time Delay* “D” Fuses	Circuit Breaker	Non-time Delay Fuses	Time Delay* “D” Fuses	Circuit Breaker		
Amperes		Amperes	Amperes	Amperes	Amperes	Amperes	Amperes	Amperes	Amperes	Amperes	Amperes	Amperes	Amperes	Amperes	Amperes
1	15	1.125	1.25	15	15	15	15	15	15	15	15	15	15	15	15
2	15	2.25	2.50	15	15	15	15	15	15	15	15	15	15	15	15
3	15	3.5	3.75	15	15	15	15	15	15	15	15	15	15	15	15
4	15	4.5	5.00	15	15	15	15	15	15	15	15	15	15	15	15
5	15	5.6	6.25	15	15	15	15	15	15	15	15	15	15	15	15
6	15	7	7.50	20	15	15	15	15	15	15	15	15	15	15	15
7	15	8	8.75	25	15	15	15	15	15	15	15	15	15	15	15
8	15	9	10.00	25	15	20	20	15	15	15	15	15	15	15	15
9	15	10	11.25	30	20	20	25	20	15	15	15	15	15	15	15
10	15	12	12.50	30	20	20	25	20	20	20	20	15	15	15	15
11	15.00	12	13.75	30	20	30	30	20	20	20	20	20	20	15	15
12	15.00	15	15.00	40	25	30	30	25	20	20	20	20	20	15	15

13	16.25	15	16.25	40	25	30	35	25	30	20	20	20
14	17.50	17.5	17.50	45	25	30	35	25	30	25	25	20
15	18.75	17.5	18.75	45	30	30	40	30	30	25	25	20
16	20.00	17.5	20.00	50	30	40	40	30	30	25	25	20
17	21.25	20	21.25	60	30	40	45	30	30	30	30	30
18	22.50	20	22.50	60	35	40	45	35	30	30	30	30
19	23.75	20	23.75	60	35	40	50	35	40	30	30	30
20	25.00	25	25.00	60	35	50	50	35	40	30	30	30
22	27.5	25	27.5	60	40	50	60	40	40	35	35	30
24	30.0	30	30.0	80	45	50	60	45	40	40	40	30
26	32.5	30	32.5	80	50	70	70	50	50	40	40	40
28	35.0	35	35.0	90	50	70	70	50	50	45	45	40
30	37.5	35	37.5	90	60	70	70	60	50	45	45	40
32	40.0	40	40.0	100	60	70	70	60	70	50	50	40
34	42.5	40	42.5	110	60	70	70	60	70	60	60	50
36	45.0	45	45.0	110	70	100	80	70	70	60	60	50
38	47.5	45	47.5	125	70	100	80	70	70	60	60	50
40	50.0	50	50.0	125	70	100	80	70	70	60	60	50
42	52.5	50	52.5	125	80	100	90	80	70	70	70	70
44	55.0	50	55.0	125	80	100	90	90	100	70	70	70
46	57.5	50	57.5	150	90	100	100	90	100	70	70	70
48	60.0	60	60.0	150	90	100	100	90	100	80	80	70
50	62.5	60	62.5	150	90	125	100	90	100	80	80	70
52	65.0	60	65.0	175	100	125	110	100	100	80	80	70
54	67.5	60	67.5	175	100	125	110	100	100	90	90	70
56	70.0	70	70.0	175	100	125	125	100	100	90	90	70
58	72.5	70	72.5	175	110	125	125	110	100	90	90	100
60	75.0	70	75.0	200	110	150	125	110	100	90	90	100
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 5A	Col. 6	Col. 7	Col. 7A	Col. 8	Col. 9	Col. 9A	Col. 10

(Continued)

TABLE 26 (Continued)

Overcurrent Protection Maximum Allowable Rating of Fuses and Maximum Allowable Setting of Circuit Breakers of the Time-Limit Type for Motor Circuits												
Full-load Current Rating of Motor Amperes	Minimum Allowable Ampacity of Conductor	Overload Protection for Running Protection of Motors		Single Phase All Types and Squirrel Cage and Synchronous (Full Voltage, Resistor and Reactor Starting)			Squirrel Cage and Synchronous (Autotransformer and Star-Delta Starting)			DC or Wound Rotor AC		
		Maximum Rating of Type D Fuses Amperes	Maximum Setting of Overload Devices Amperes	Non-time Delay Fuses Amperes	Time Delay* “D” Fuses Amperes	Circuit Breaker Amperes	Non-time Delay Fuses Amperes	Time Delay* “D” Fuses Amperes	Circuit Breaker Amperes	Non-time Delay Fuses Amperes	Time Delay* “D” Fuses Amperes	Circuit Breaker Amperes
62	77.5	70	77.5	200	110	150	125	110	125	100	100	100
64	80.0	70	80.0	200	125	150	150	125	125	100	100	100
66	82.5	80	82.5	200	125	150	150	125	125	100	100	100
68	85.0	80	85.0	225	125	150	150	125	125	110	110	100
70	87.5	80	87.5	225	125	175	150	125	125	110	110	100
72	90.0	80	90.0	225	150	175	150	150	125	110	110	100
74	92.5	90	92.5	225	150	175	150	150	125	125	125	100
76	95.0	90	95.0	250	150	175	175	150	150	125	125	100
78	97.5	90	97.5	250	150	175	175	150	150	125	125	100
80	100.0	90	100.0	250	150	200	175	150	150	125	125	100
82	102.5	90	102.5	250	150	200	175	150	150	125	125	125
84	105.0	100	105.0	250	150	200	175	150	150	150	150	125
86	107.5	100	107.5	300	175	200	175	175	150	150	150	125
88	110.0	100	110.0	300	175	200	200	175	175	150	150	125
90	112.5	100	112.5	300	175	225	200	175	175	150	150	125
92	115.0	110	115.0	300	175	225	200	175	175	150	150	125
94	117.5	110	117.5	300	175	225	200	175	175	150	150	125

96	120.0	110	120.0	300	175	225	200	175	175	150	150	125
98	122.5	110	122.5	300	175	225	200	175	175	150	150	125
100	125.0	110	125.0	300	175	250	200	175	200	150	150	150
105	131.5	125	131.5	350	200	250	225	200	200	175	175	150
110	137.5	125	137.5	350	200	250	225	200	200	175	175	150
115	144.0	125	144.0	350	225	250	250	225	225	175	175	150
120	150.0	125	150.0	400	225	300	250	225	200	200	200	175
125	156.5	150	156.5	400	225	300	250	225	200	200	200	175
130	162.5	150	162.5	400	250	300	300	250	250	200	200	175
135	169.0	150	169.0	450	250	300	300	250	225	225	225	200
140	175.0	150	175.0	450	250	350	300	250	225	225	225	200
145	181.5	175	181.5	450	300	350	300	250	225	225	225	200
150	187.5	175	187.5	450	300	350	300	300	225	225	225	225
155	194	175	194	500	300	350	350	300	300	250	250	225
160	200	175	200	500	300	400	350	300	250	250	250	225
165	206	200	206	500	300	400	350	300	250	250	250	225
170	213	200	213	500	300	400	350	300	300	300	300	250
175	219	200	219	600	350	400	350	350	300	300	300	250
180	225	200	225	600	350	400	400	350	300	300	300	250
185	231	200	231	600	350	400	400	350	300	300	300	250
190	238	225	238	600	350	400	400	350	300	300	300	250
195	244	225	244	600	350	400	400	350	300	300	300	250
200	250	225	250	600	350	500	400	350	300	300	300	300
210	263	250	263	—	400	500	450	400	350	350	350	300
220	275	250	275	—	400	500	450	400	350	350	350	300
230	288	250	288	—	450	500	500	400	350	350	350	300
240	300	250	300	—	450	600	500	400	400	400	400	350
250	313	300	313	—	450	600	500	500	400	400	400	350
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 5A	Col. 6	Col. 7	Col. 7A	Col. 8	Col. 9	Col. 9A	Col. 10

(Continued)

TABLE 26 (Continued)

		Overload Protection for Running Protection of Motors		Overcurrent Protection Maximum Allowable Rating of Fuses and Maximum Allowable Setting of Circuit Breakers of the Time-Limit Type for Motor Circuits						DC or Wound Rotor AC			
Full-load Current Rating of Motor Amperes	Minimum Allowable Ampacity of Conductor	Maximum Rating of Type D Fuses Amperes	Maximum Setting of Overload Devices Amperes	Single Phase All Types and Squirrel Cage and Synchronous (Full Voltage, Resistor and Reactor Starting)			Squirrel Cage and Synchronous (Autotransformer and Star-Delta Starting)						
				Non-time Delay Fuses Amperes	Time Delay* "D" Fuses Amperes	Circuit Breaker Amperes	Non-time Delay Fuses Amperes	Time Delay* "D" Fuses Amperes	Circuit Breaker Amperes	Non-time Delay Fuses Amperes	Time Delay* "D" Fuses Amperes	Circuit Breaker Amperes	Time Delay* "D" Fuses Amperes
260	325	300	325	—	500	600	600	500	500	400	400	400	400
270	338	300	338	—	500	600	600	500	500	450	450	400	400
280	350	300	350	—	500	600	600	500	500	450	450	400	400
290	363	350	363	—	600	600	600	600	500	450	450	400	400
300	375	350	375	—	600	600	600	600	600	450	450	400	400
320	400	350	400	—	—	—	—	—	—	500	500	400	400
340	425	400	425	—	—	—	—	—	—	600	600	500	500
360	450	400	450	—	—	—	—	—	—	600	600	500	500
380	475	450	475	—	—	—	—	—	—	600	600	500	500
400	500	450	500	—	—	—	—	—	—	600	600	600	600
420	525	500	525	—	—	—	—	—	—	—	—	—	—
440	550	500	550	—	—	—	—	—	—	—	—	—	—
460	575	500	575	—	—	—	—	—	—	—	—	—	—
480	600	500	600	—	—	—	—	—	—	—	—	—	—
500	625	600	625	—	—	—	—	—	—	—	—	—	—
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 5A	Col. 6	Col. 7	Col. 7A	Col. 8	Col. 9	Col. 9A	Col. 10	

* Time delay "D" fuses are those referred to in Rule 14-200.

TABLE 27

(See Rules 28-106, 28-108, 28-112 and 38-010)

FOR DETERMINING CONDUCTOR SIZES FOR MOTORS FOR DIFFERENT REQUIREMENTS OF SERVICE

Classification of Service	Percentage of Nameplate Current Rating of Motor			
	5-Minute Rating	15-Minute Rating	30- and 60-Minute Rating	Continuous Rating
Short-Time Duty. Operating valves, raising or lowering rolls, etc.	110	120	150	—
Intermittent Duty. Freight and passenger elevators, tool heads, pumps, drawbridges, turntables, etc.	85	85	90	140
Periodic Duty. Rolls, ore- and coal-handling machines, etc.	85	90	95	140
Varying Duty	110	120	150	200

NOTE: For motor generator arc welders see Section 42.

TABLE 28

(See Rule 28-112)

FOR DETERMINING CONDUCTOR SIZES IN THE SECONDARY CIRCUITS OF MOTORS

Resistor Duty Classification	Duty Cycles	Carrying Capacity of Conductors in Per Cent of Full-Load Secondary Circuit
Light Starting Duty	5 sec on 75 sec off	35
Heavy Starting Duty	10 sec on 70 sec off	45
Extra Heavy Starting Duty	15 sec on 75 sec off	55
Light Intermittent Duty	15 sec on 45 sec off	65
Medium Intermittent Duty	15 sec on 30 sec off	75
Heavy Intermittent Duty	15 sec on 15 sec off	90
Continuous Duty	Continuous Duty	110

TABLE 29

(See Rules 28-200, 28-204, 28-208 and 28-210)

RATING OR SETTING OF OVERCURRENT DEVICES FOR THE PROTECTION OF MOTOR BRANCH CIRCUITS

(Except as permitted in Table 26 where 15-A overcurrent protection for motor branch-circuit conductors exceeds the values specified in the following Table.)

Type of Motor	Per Cent of Full-Load Current		
	Maximum Fuse Rating		Maximum Setting Time-Limit Type Circuit Breaker
	Time Delay* “D” Fuses	Non-time Delay	
Alternating Current			
Single-Phase all types	175	300	250
Squirrel-Cage and Synchronous: Full-Voltage, Resistor and Reactor Starting	175	300	250
Auto-Transformer Starting:			
Not more than 30 A	175	250	200
More than 30 A	175	200	200
Wound Rotor	150	150	150
Direct Current	150	150	150

* Time delay “D” fuses are those referred to in Rule 14-200.

- NOTES: (1) *The ratings of fuses for the protection of motor branch circuits as given in Table 26, are based upon fuse ratings appearing in the Table above, which also specifies the maximum settings of circuit breakers for the protection of motor branch circuits.*
- (2) *Synchronous motors of the low-torque low-speed type (usually 450 rpm, or lower) such as are used to drive reciprocating compressors, pumps, etc., and which start up unloaded, do not require a fuse rating or circuit-breaker setting in excess of 200% of full-load current.*
- (3) *For the use of instantaneous trip (magnetic only) circuit interrupters in motor branch circuits see Rule 28-210.*

TABLE 30
(See Rule 36-108)

MINIMUM CLEARANCES FOR BARE CONDUCTORS—INDOORS

Voltage Class* Kilovolts	Minimum Air Gap Distance in Millimetres	
	From Live Parts to Adjacent Surfaces Other Than Insulation and Bases of Conductor Supports	Between Live Parts (Not Centre-to-Centre)
2.5	100	150
5.0	125	150
7.5	150	175
15	175	250
23	250	380
34.5	330	480
46	430	610
69	635	840

*See Appendix B.

TABLE 31
(See Rule 36-108)

MINIMUM CLEARANCES FOR BARE CONDUCTORS—OUTDOORS

Voltage Class* Kilovolts	Minimum Air Gap Distance in Millimetres	
	From Live Parts to Adjacent Surface Other Than Insulation and Bases of Conductor Supports	Between Live Parts (Not Centre-to-Centre)
2.5	225	280
5.0	225	280
7.5	225	280
15	250	300
23	300	380
34.5	380	480
46	460	610
69	740	840

*See Appendix B.

TABLE 32
(See Rule 36-110)

VERTICAL ISOLATION OF UNGUARDED LIVE PARTS

Voltage Class* Kilovolts	Minimum Isolation by Vertical Clearance from Unguarded Live Parts to Floor or Grade		
	Metres		
	Indoors	Outdoors	
		Light Snow Area*	Heavy Snow Area*
2.5, 5.0, and 7.5	2.5	3	3.7
15	2.7	3	3.7
23	2.7	3	3.7
34.5	3	3.7	4.3
46	3	3.7	4.3
69	3	5.5	6.1

**See Appendix B.*

TABLE 33
(See Rules 26-302 and 36-110)

**HORIZONTAL CLEARANCES FROM ADJACENT STRUCTURES
(Including Protuberances)**

Voltage Class*	Clearance
Kilovolts	Metres
2.5, 5.0, 7.5, 15, 23, 34.5 and 46	3
69	3.7

**See Appendix B.*

TABLE 34
(See Rule 36-110)

VERTICAL GROUND CLEARANCES FOR OPEN LINE CONDUCTORS

Voltage Class*	Minimum Vertical Clearance Above Ground
Kilovolts	Metres
2.5, 5.0, 7.5 and 15	6.1
23	6.1
34.5	6.7
46	7
69	7.6

*See Appendix B.

TABLE 35
(See Rule 36-212)

**SPACINGS FOR ISOLATING SWITCHES AND FUSES
ASSEMBLED IN THE FIELD
(Not of the Metal Enclosed Type)**

Voltage Class*	Minimum Phase Spacing (Centre-to-Centre)	
	Disconnect Switches and Fuses Other Than Expulsion Types	Horn-Gap Switches and Expulsion Fuses
Kilovolts	Millimetres	Millimetres
2.5, 5.0 and 7.5	460	915
15	610	915
23	760	1220
34.5	915	1525
46	1220	1830
69	1525	2135

*See Appendix B.

TABLE 36
(See Rule 4-004(5))

**MAXIMUM ALLOWABLE AMPACITY OF NEUTRAL
SUPPORTED CABLE TYPES NS-1 and NSF-2**
(Based on Ambient Temperatures of 30°C)

Size AWG	Ampacity (Aluminum Conductors)	
	Two Insulated Conductors	Three Insulated Conductors
8	55	45
6	70	60
4	95	80
3	110	95
2	125	105
1	145	120
0	165	140
00	190	160
000	215	185
0000	250	215

NOTES: (1) *The above values assume radiation from the sun, a wind velocity of 0.6 m/s and a maximum conductor temperature of 75°C.*
(2) *For ambients of 40°C and 50°C multiply the above values by 0.88 and 0.75, respectively.*

TABLE 37
(See Rule 28-104)

**MOTOR SUPPLY CONDUCTOR INSULATION
MINIMUM TEMPERATURE RATING**
(Degrees Celsius)
(Based on Ambient Temperature of 30°C)

Motor Enclosure	Insulation Class			
	A	B	F	H
All except totally enclosed non-ventilated	75	75	90	110
Totally enclosed non-ventilated	75	90	110	110

TABLE 38
(See Rule 12-2312)

**CURRENT RATING CORRECTION FACTORS FOR
VENTILATED AND LADDER TYPE CABLETROUGHS
AND FOR NON-VENTILATED CABLETROUGHS AND FOR
VENTILATED FLEXIBLE CABLEWAY**

Number of Conductors	Current Rating Correction Factor
1—3	1.00
4—6	0.80
7—24	0.70
25—42	0.60
43 and up	0.50

TABLE 39
(See Rule 12-2212)

**CURRENT RATING CORRECTION FACTORS WHERE SPACINGS ARE
MAINTAINED (VENTILATED AND LADDER TYPE CABLETROUGHS)**

Number of Conductors or Cables Horizontally	1	2	3	4	5	6
Vertically						
1	1.00	0.93	0.87	0.84	0.83	0.82
2	0.89	0.83	0.79	0.76	0.75	0.74

TABLE 40
(See Rule 12-1106)

**EXTERNAL TAPERED THREADS
FOR
RIGID METAL CONDUIT**

Trade Size of Conduit Inches	Number of Threads Per Inch	External Threads	
		Length of Thread	
		Minimum Inches	Maximum Inches
1/2	14	0.64 (10/16)*	0.78 (12/16)*
3/4	14	0.65 (10/16)	0.79 (13/16)
1	11 1/2	0.81 (13/16)	0.98 (1)
1 1/4	11 1/2	0.84 (13/16)	1.01 (1)
1 1/2	11 1/2	0.86 (14/16)	1.03 (1 1/16)
2	11 1/2	0.89 (14/16)	1.06 (1 1/16)
2 1/2	8	1.32 (1 5/16)	1.57 (1 9/16)
3	8	1.36 (1 6/16)	1.63 (1 10/16)
3 1/2	8	1.43 (1 7/16)	1.68 (1 11/16)
4	8	1.48 (1 8/16)	1.73 (1 12/16)
5	8	1.59 (1 10/16)	1.84 (1 13/16)
6	8	1.70 (1 11/16)	1.95 (1 15/16)

**Fractional dimensions in parentheses are approximate.*

TABLE 41
(See Rules 10-614 and 70-126)

**MINIMUM SIZE OF BONDING JUMPER
FOR SERVICE RACEWAYS**

Ampacity of Largest Service Conductor	Size of Bonding Jumper	
	Copper Wire	Aluminum Wire
	AWG	AWG
100 or less	8	6
200	6	4
400	4	2
600	2	0
800	0	00
1000	00	000
1200	000	0000

TABLE 42
(See Rule 12-2202)

LOAD CLASSES

Class	Maximum Design Load for Maximum Associated Support Spacing	
	Design Load Kilograms per Metre	Design Support Spacing Metres
A	37	3
C1	97	3
D1	67	6
E	112	6

TABLE 43
(See Rule 10-702)

**MINIMUM CONDUCTOR SIZE
FOR
CONCRETE ENCASED ELECTRODES**

Ampacity of Largest Service Conductor or Equivalent for Multiple Conductors	Size of Bare Copper Conductor
Amperes	AWG
165 or less	4
166—200	3
201—260	2
261—355	0
356—475	00
Over 475	000

TABLE 44

(See Rule 28-704)

THREE-PHASE AC MOTORS

3-Phase	AC Motor Full-Load Current in Amperes (see Notes (1) to (5))									
	Induction Type, Squirrel-Cage and Wound Rotor					Synchronous Type, Unity Power Factor (See Note (4))				
	Amperes					Amperes				
Motor Rating hp	115 V	230 V	460 V	575 V	2300 V	230 V	460 V	575 V	2300 V	
$\frac{1}{2}$	4	2	1	0.8	—	—	—	—	—	—
$\frac{3}{4}$	5.6	2.8	1.4	1.1	—	—	—	—	—	—
1	7.2	3.6	1.8	1.4	—	—	—	—	—	—
$1\frac{1}{2}$	10.4	5.2	2.6	2.1	—	—	—	—	—	—
2	13.6	6.8	3.4	2.7	—	—	—	—	—	—
3	—	9.6	4.8	3.9	—	—	—	—	—	—
5	—	15.2	7.6	6.1	—	—	—	—	—	—
$7\frac{1}{2}$	—	22	11	9	—	—	—	—	—	—
10	—	28	14	11	—	—	—	—	—	—
15	—	42	21	17	—	—	—	—	—	—
20	—	54	27	22	—	—	—	—	—	—
25	—	68	34	27	—	54	27	22	—	—
30	—	80	40	32	—	65	33	26	—	—
40	—	104	52	41	—	86	43	35	—	—
50	—	130	65	52	—	108	54	44	—	—
60	—	154	77	62	16	128	64	51	12	12
75	—	192	96	77	20	161	81	65	15	15
100	—	248	124	99	26	211	106	85	20	20

125	—	312	156	125	31	264	132	106	25
150	—	360	180	144	37	—	158	127	30
200	—	480	240	192	49	—	210	168	40

- NOTES: (1) For full-load currents of 208 and 200 V motors, increase the corresponding 230 V motor full-load current by 10 and 15%, respectively.
- (2) These values of motor full-load current are to be used as guides only. Where exact values are required (e.g. for motor protection), always use those appearing on the motor nameplate.
- (3) These values of motor full-load current are for motors running at speeds usual for belted motors and motors with normal torque characteristics. Motors built for especially low speeds or high torques may require more running current, and multi-speed motors will have full-load current varying with speed, in which case the nameplate current rating shall be used.
- (4) For 90 and 80% power factor multiply the above figures by 1.1 and 1.25, respectively.
- (5) The voltages listed are rated motor voltages. Corresponding Nominal System Voltages are 120, 240, 480 and 600 V. Refer to CSA Standard C235-1969, Preferred Voltage Levels for AC Systems, 0 to 50,000 Volts.

TABLE 45
(See Rule 28-704)

SINGLE-PHASE AC MOTORS

Single-Phase AC Motors Full-Load Current in Amperes (see Notes (1) to (4))		
hp Rating	115 V	230 V
$\frac{1}{6}$	4.4	2.2
$\frac{1}{4}$	5.8	2.9
$\frac{1}{3}$	7.2	3.6
$\frac{1}{2}$	9.8	4.9
$\frac{3}{4}$	13.8	6.9
1	16	8
$1\frac{1}{2}$	20	10
2	24	12
3	34	17
5	56	28
$7\frac{1}{2}$	80	40
10	100	50

- NOTES: (1) *For full-load currents of 208 and 200 V motors, increase the corresponding 230 V motor full-load current by 10 and 15%, respectively.*
- (2) *These values of motor full-load current are to be used as guides only. Where exact values are required (e.g., for motor protection), always use those appearing on the motor nameplate.*
- (3) *These values of full-load current are for motors running at usual speeds and motors with normal torque characteristics. Motors built for especially low speeds or high torques may have higher full-load currents, and multi-speed motors will have full-load current varying with speed, in which case the nameplate current ratings shall be used.*
- (4) *The voltages listed are rated motor voltages. Corresponding Nominal System Voltages are 120 and 240 V. Refer to CSA Standard C235-1969, Preferred Voltage Levels for AC Systems, 0 to 50,000 Volts.*

TABLE 46
(See Rules 26-700, 26-702, 26-746 and 78-002)

CSA CONFIGURATIONS FOR NON-LOCKING RECEPTACLES

			15 AMPERE	20 AMPERE	30 AMPERE	50 AMPERE	60 AMPERE
			RECEPTACLE	RECEPTACLE	RECEPTACLE	RECEPTACLE	RECEPTACLE
2-POLE 3-WIRE GROUNDING	125 V	5					
	* 250 V	6					
	277 V AC	7					
	347 V AC	24					
3-POLE 4-WIRE GROUNDING	125/ 250 V	14					
	3Ø 250 V	15					

**For configurations 6-15R, 6-20R, 6-30R and 6-50R, Y denotes identified terminal when used on circuits derived from 3-phase, 4-wire 416-V circuits.*

TABLE 47
(See Rules 26-700 and 78-002)

CSA CONFIGURATIONS FOR LOCKING RECEPTACLES

			15 AMPERE	20 AMPERE	30 AMPERE	50 AMPERE	60 AMPERE
			RECEPTACLE	RECEPTACLE	RECEPTACLE	RECEPTACLE	RECEPTACLE
2-POLE 3-WIRE GROUNDING	125 V	L5					
	250 V	L6					
	277 V AC	L7					
	480 V AC	L8					
	600 V AC	L9					
3-POLE 4-WIRE GROUNDING	125/250 V	L14					
	3Ø 250 V	L15					
	3Ø 480 V	L16					
	3Ø 600 V	L17					
4-POLE 5-WIRE GROUNDING	3Ø 208Y/120 V	L21					
	3Ø 480Y/277 V	L22					
	3Ø 600Y/347 V	L23					

TABLE 48
(See Rule 70-104)

SIZE OF CONDUIT FOR MOBILE HOMES

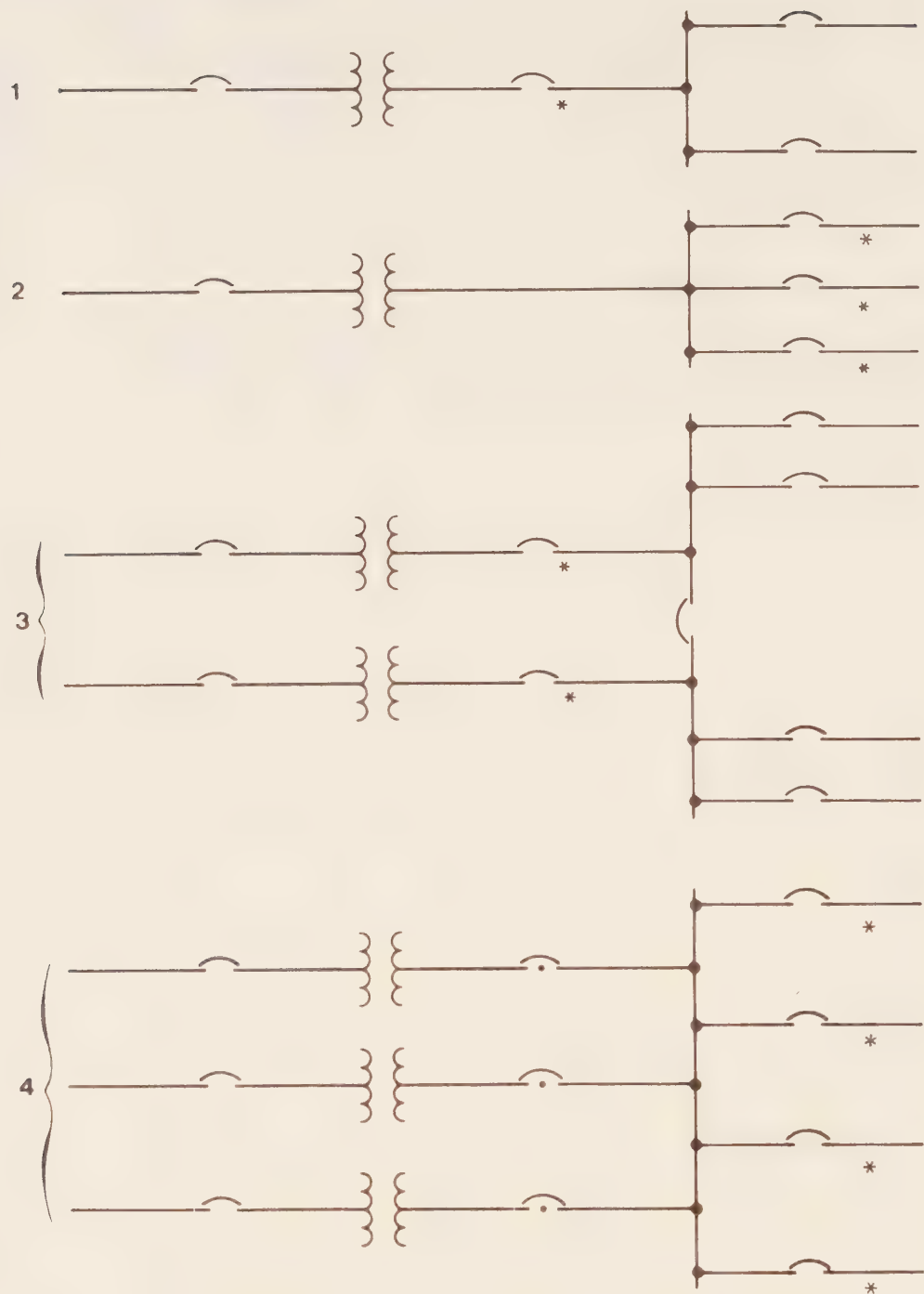
Rating of Main Overcurrent Protection Amperes	Minimum Trade Size of Conduit Inches	
	Excluding System Ground	Including System Ground
50	1	1 ¹ / ₈
60	1 ¹ / ₄	1 ¹ / ₄
100	1 ¹ / ₄	1 ¹ / ₂
150	2	2
200	2	2 ¹ / ₂

NOTE: *These sizes are based on the use of copper conductors.*

TABLE 49

(See Rule 14-102)

**ULTIMATE POINT OF CONDUCTOR
DE-ENERGIZATION**





- NOTES: (1) The symbol  represents a circuit breaker, a combination of circuit breaker and fuses, or a fused switch.
- (2) The symbol  represents a network protector which protects against reverse current.
- (3) An asterisk * indicates the ultimate point beyond which the downstream ungrounded circuit conductors must be de-energized in the event of a ground fault in the circuit fed by such conductors.

TABLE 50
(See Rule 26-252)

**TRANSFORMERS RATED OVER 600 V HAVING PRIMARY AND
SECONDARY OVERCURRENT PROTECTION**

Transformer Rated Impedance	Maximum Setting or Rating of Overcurrent Device as a Percentage of Rated Current of Transformer				
	Primary Side		Secondary Side		
	Over 600 V		Over 600 V		600 V or Below
	Circuit Breaker Setting	Fuse Rating	Circuit Breaker Setting	Fuse Rating	Circuit Breaker Setting or Fuse Rating
	Per Cent	Per Cent	Per Cent	Per Cent	Per Cent
Not more than 7.5 per cent	600	300	300	150	250
More than 7.5 per cent and not more than 10 per cent	400	200	250	125	250

TABLE 51

(See Rules 36-300 and 36-306)

MINIMUM COPPER CONDUCTOR SIZE TO AVOID CONDUCTOR DAMAGE

Short Circuit Current	Fault Duration 0.5 Second			Fault Duration 1.0 Second		
	Cable Only	Brazed Joint	Bolted Joint	Cable Only	Brazed Joint	Bolted Joint
0— 5 000	6	5	3	4	3	2
5 000— 10 000	3	2	1/0	1	1/0	2/0
10 000— 15 000	1	1/0	2/0	1/0	3/0	4/0
15 000— 20 000	1/0	2/0	4/0	3/0	4/0	250*
20 000— 25 000	2/0	3/0	250*	4/0	250*	300*
25 000— 30 000	3/0	4/0	300*	4/0	300*	400*
30 000— 35 000	4/0	250*	300*	250*	350*	500*
35 000— 40 000	4/0	300*	350*	300*	400*	500*
40 000— 50 000	250*	350*	500*	350*	500*	600*
50 000— 60 000	300*	400*	600*	500*	600*	750*
60 000— 70 000	350*	500*	600*	500*	700*	900*
70 000— 80 000	400*	600*	700*	600*	800*	1000*
80 000— 90 000	500*	600*	800*	700*	900*	1250*
90 000—100 000	500*	700*	900*	700*	1000*	1250*

*Wire size in MCM, all others in AWG.

NOTES: (1) *Sizes calculated in accordance with IEEE Standard No. 80, Guide for Safety in AC Substation Grounding.*

(2) *Minimum conductor size shall be determined by type of joint and not by cable only.*

TABLE 52

(See Rules 36-304, 36-308, and 36-310)

TOLERABLE TOUCH AND STEP VOLTAGES

Type of Ground	Resistivity	Fault Duration 0.5 s		Fault Duration 1.0 s	
		Step Voltage	Touch Voltage	Step Voltage	Touch Voltage
	Ohm-Metres	Volts	Volts	Volts	Volts
Wet Organic Soil	10	174	166	123	118
Moist Soil	100	263	188	186	133
Dry Soil	1 000	1 154	405	816	286
150 mm Crushed Stone	3 000	3 143	885	2 216	626
Bed Rock	10 000	10 065	2 569	7 116	1 816

NOTES: (1) Table values calculated in accordance with IEEE Standard No. 80, Guide for Safety in AC Substation Grounding.

(2) A typical substation installation is designed for 0.5 s fault duration and the entire ground surface inside the fence is covered with 150 mm of crushed stone having a resistivity of $3000 \Omega \cdot \text{m}$.

TABLE 53
(See Rule 12-012)

**MINIMUM COVER REQUIREMENTS
FOR DIRECT BURIED CONDUCTORS,
CABLES OR RACEWAYS**

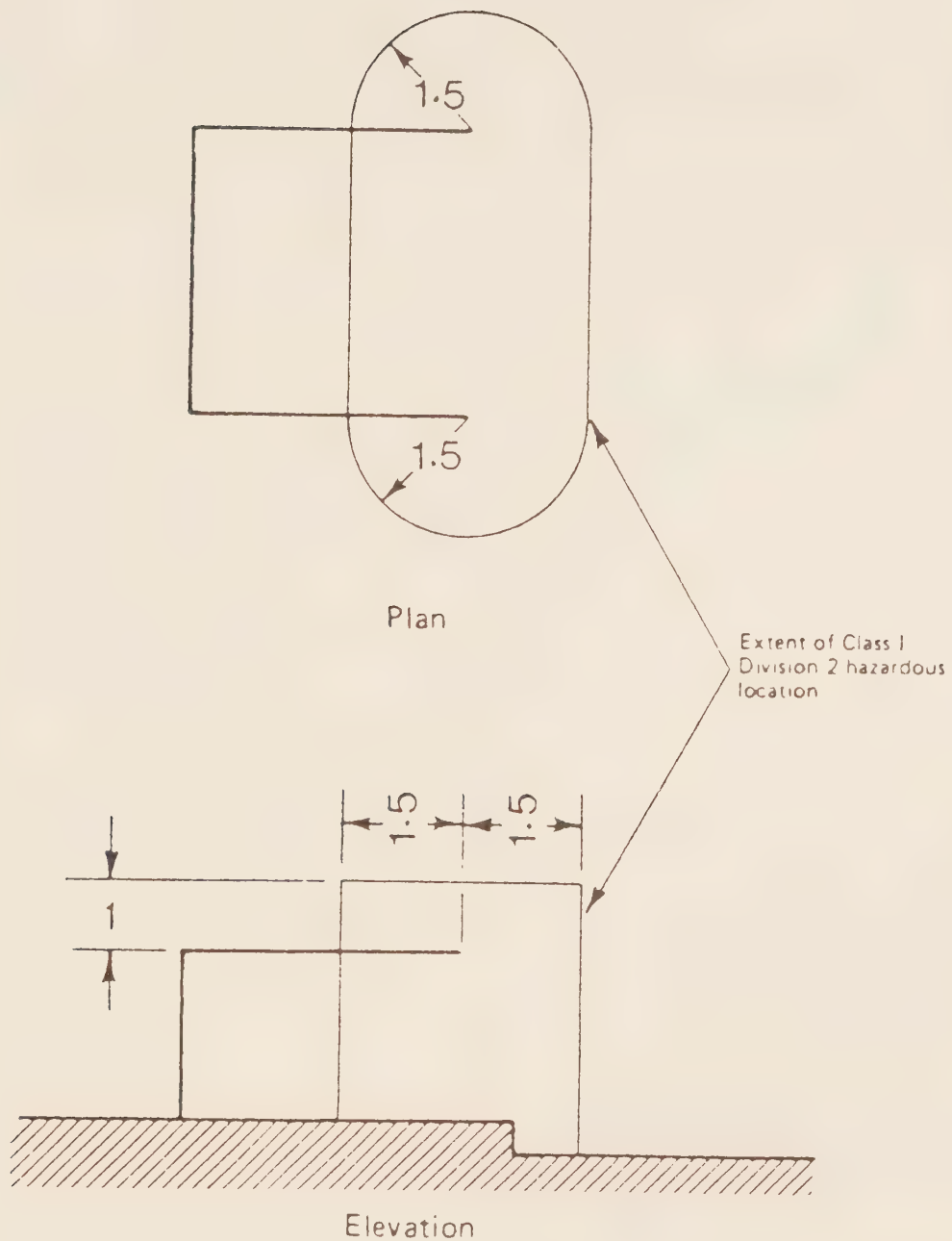
Wiring Method	Minimum Cover—Millimetres			
	Non-vehicular Areas		Vehicular Areas	
	750 V or Less	Over 750 V	750 V or Less	Over 750 V
Conductors or cable not having a metallic sheath or armour	600	750	900	1000
Conductor or cables having a metallic sheath or armour	450	750	600	1000
Raceway	450	750	600	1000

NOTE: *Minimum cover means the distance between the top surface of the conductor, cable or raceway and the finished grade.*

TABLE 54

(See Rule 20-402(2)(a))

**EXTENT OF HAZARDOUS LOCATION OPEN FACE
SPRAY BOOTHS VENTILATION SYSTEM INTERLOCKED**

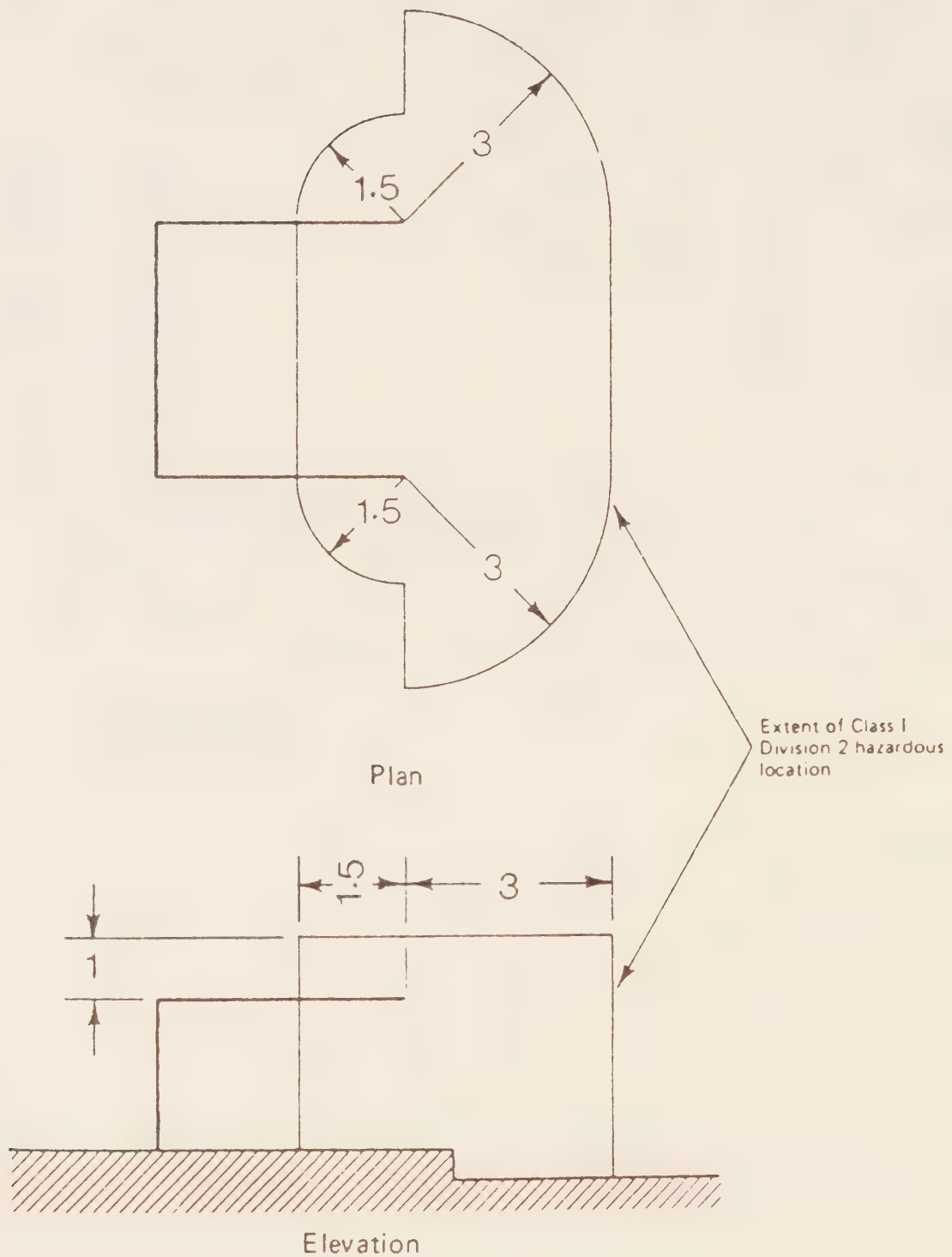


Note: All dimensions given are in metres.

TABLE 55

(See Rule 20-402(2)(b))

**EXTENT OF HAZARDOUS LOCATION OPEN FACE
SPRAY BOOTHS VENTILATION SYSTEM NOT INTERLOCKED**



Note: All dimensions given are in metres.

TABLE 56
(See Rule 2-308)

**MINIMUM WORKING SPACE ABOUT ELECTRICAL
EQUIPMENT HAVING EXPOSED LIVE PARTS**

Nominal Voltage-to-Ground	Working Space Metres
0 - 750	1.0
751 - 2 500	1.2
2 501 - 9 000	1.5
9 001 - 25 000	1.9
25 001 - 46 000	2.5
46 001 - 69 000	3.0
Over 69 000	3.7

TABLE 57

(See Rule 16-210(3))

**ALLOWABLE AMPACITIES FOR CLASS 2
COPPER CONDUCTORS**

(Based on Ambient Temperatures of 30°C)*

Size AWG MCM	Single Conductors in Free Air	Not More Than 3 Copper Conductors in Raceway or Cable†
	Amperes	Amperes
26	3	1
24	4	2
22	5	2.5
20	7	3.5
19	8	4
18	9	5
16	13	10
Col. 1	Col. 2	Col. 3

**Where more than 3 conductors are in a raceway or cable, apply the following de-rating factors to Column 3:*

Conductor in Raceway or Cable	De-rating Factor
4 - 6	0.8
7 - 24	0.7
25 - 42	0.6
43 - 50	0.5

† For ambient temperatures over 30°C for Columns 2 and 3, apply the correction factors of Table 5A, Column 2.

TABLE 100

(SEE RULE 75-016)

POLE LIMITATIONS

MAXIMUM TRANSFORMER WEIGHT IN KILOGRAMS

POLE LENGTHS (METERS)	TRANSFORMER MOUNTING	POLE CLASS			
		2	3	4	5
12.5	Direct	-	1022	613	386
	Cluster	1771	1339	840	604
14.0	Direct	1249	749	498	318
	Cluster	1566	1067	766	545

TABLE 101

(SEE RULE 75-016)

MINIMUM CIRCUMFERENCE FROM BUTT END FOR EASTERN CEDAR

POLE LENGTH (METRES)	DISTANCE FROM BUTT END (MILLIMETRES)	MINIMUM CIRCUMFERENCE (MILLIMETRES)
9.5	1800	790
11.0	1800	850
12.5	1800	940

TABLE 102
(SEE RULE 75-020)
SETTING OF POLES

Pole Length (Metres)	Minimum Depth of Pole (Metres)
9.5	1.7
11.0	1.7
12.5	1.85
14.0	2.0
15.5	2.15

TABLE 103
(SEE RULE 75-060)

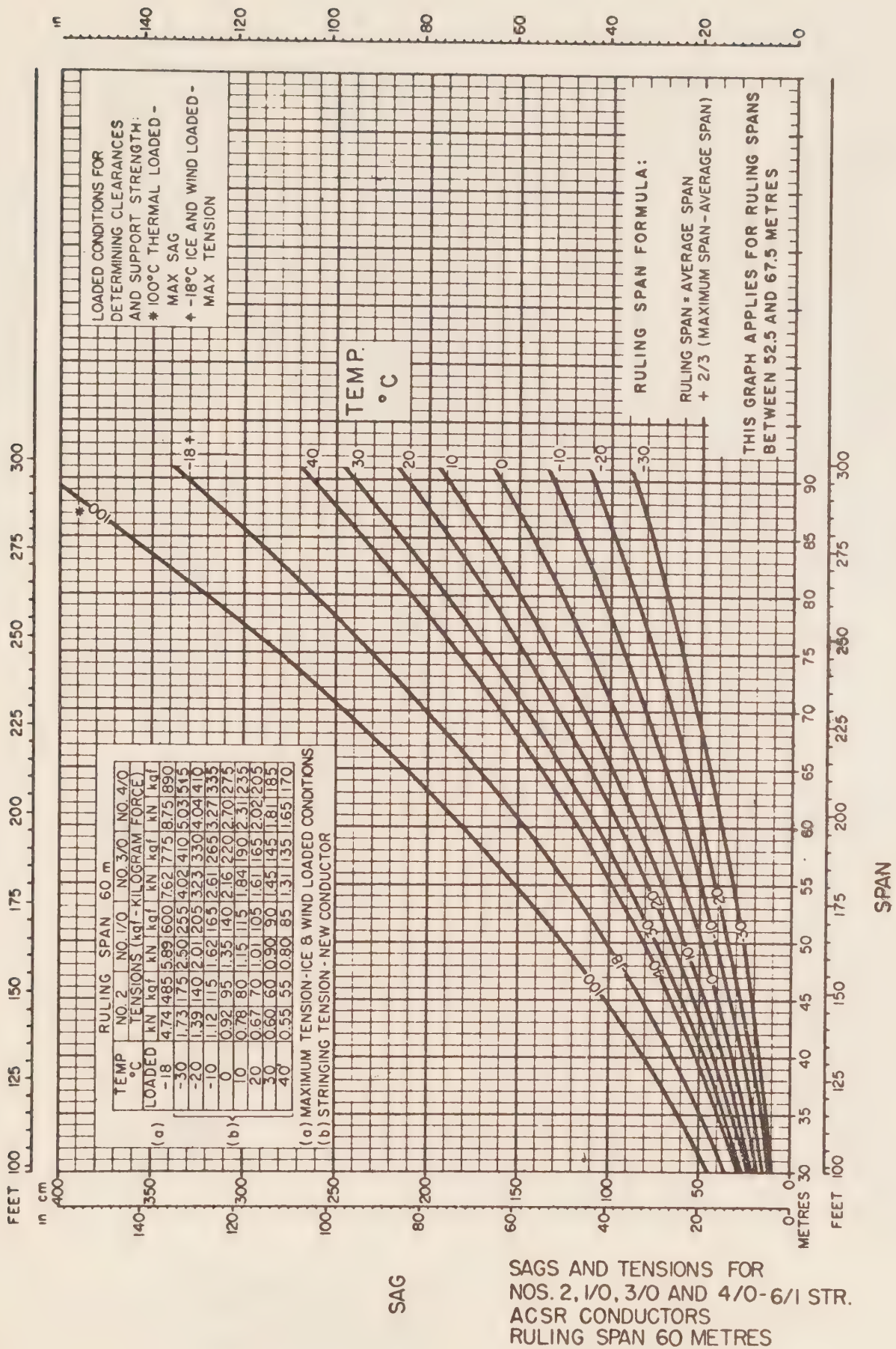
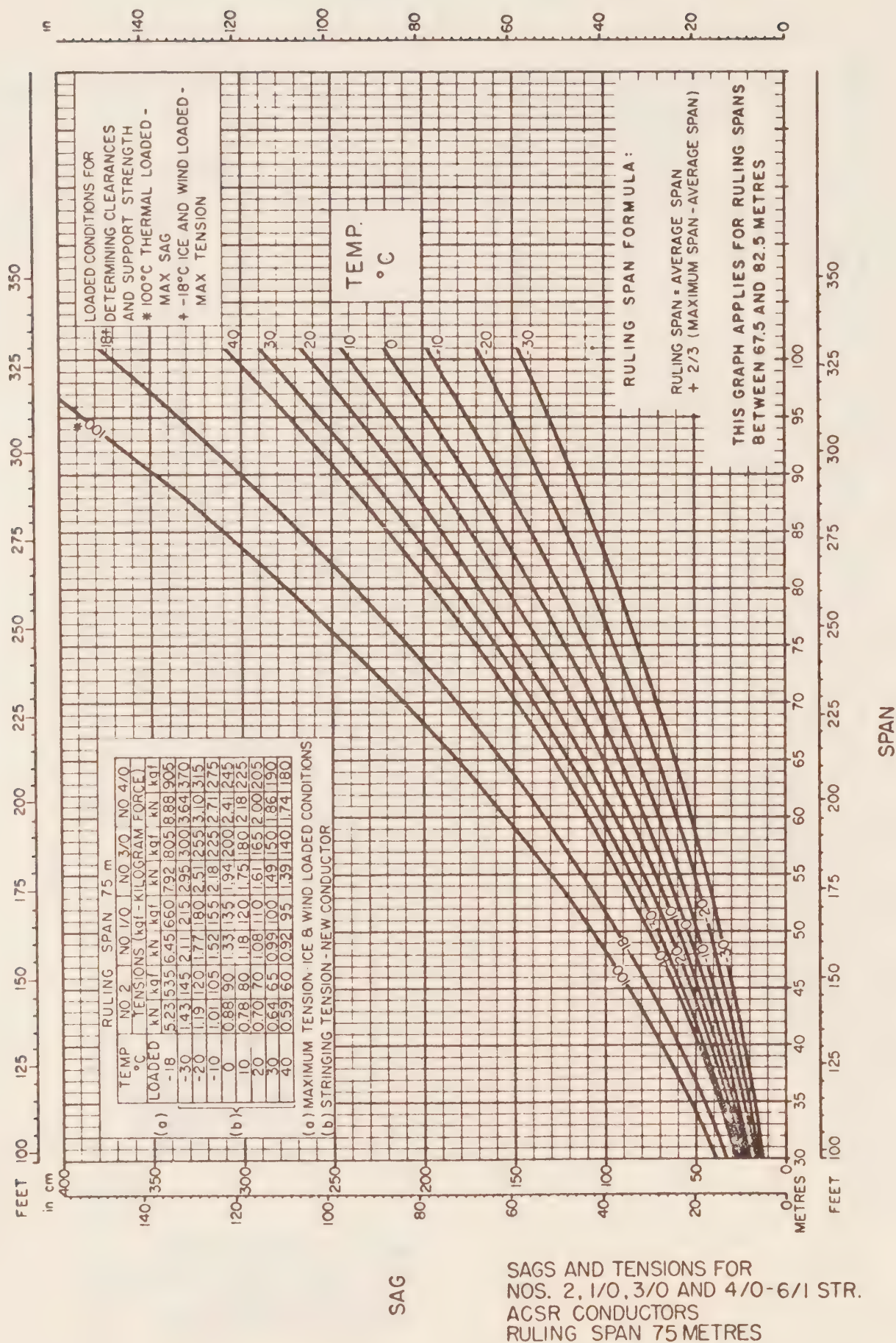


TABLE 104
(SEE RULE 75-060)



SAGS AND TENSIONS FOR
 NOS. 2, 1/0, 3/0 AND 4/0-6/1 STR.
 ACSR CONDUCTORS
 RULING SPAN 75 METRES

TABLE 105
(SEE RULE 75-060)

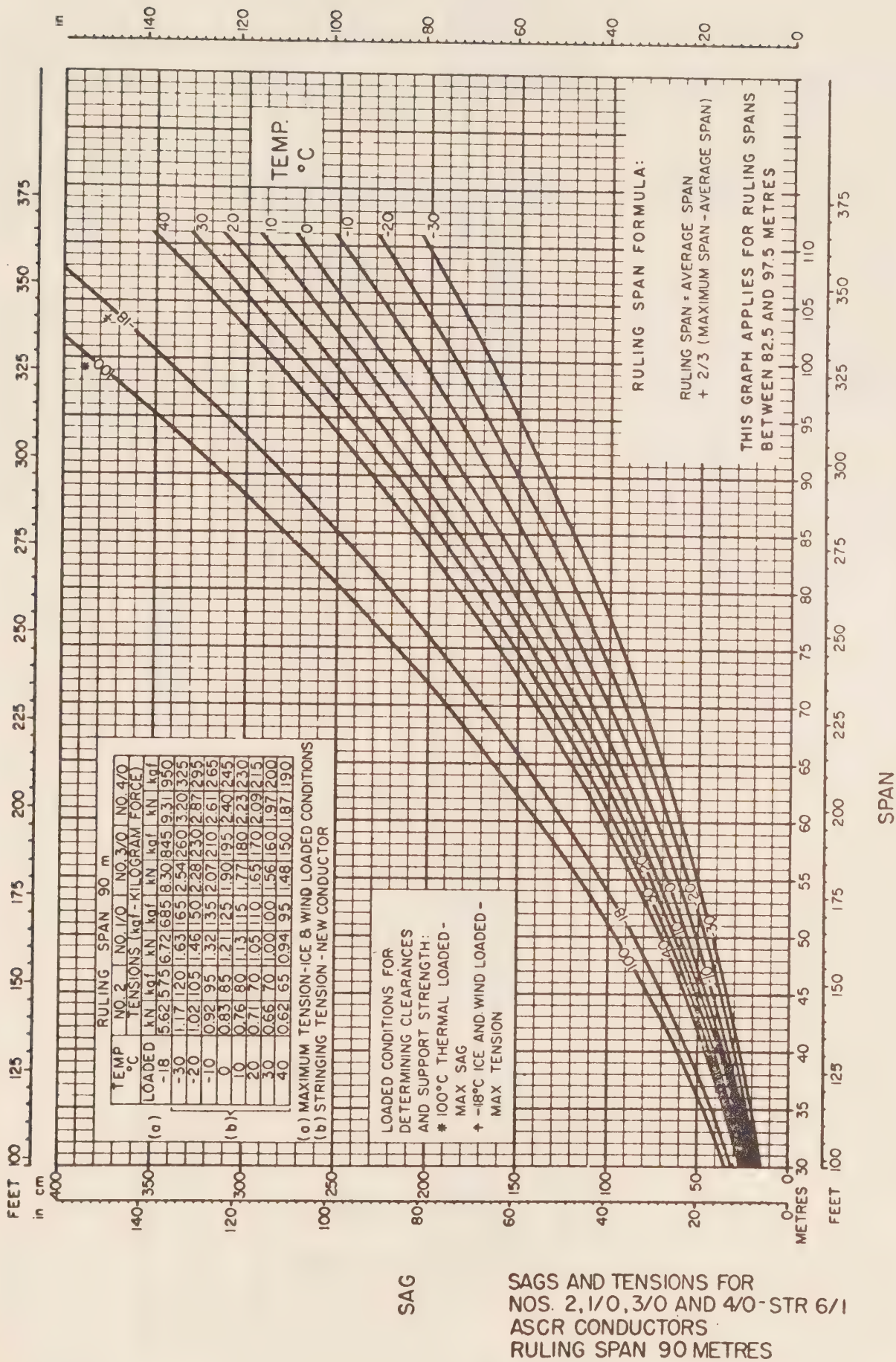


TABLE 106

(SEE RULE 75-060,068)

SAG OF NEUTRAL SUPPORTED CABLE

(Ruling Span - 30.0 m)

Temp. °C	Triplex:			Triplex:			Triplex:			Triplex:		
	2-No. 4 Poly. AL.			2-No. 1/0 Poly. AL.			2-No. 3/0 Poly. HL.			2-No. 4/0 Poly. AL.		
	1-No. 4 Bare ACSR			1-No. 2 Bare ACSR			1-No. 1/0 Bare ACSR			1-No. 3/0 Bare ACSR		
	Span in Metres (m)	Span in Metres (m)	Span in Metres (m)	Span in Metres (m)	Span in Metres (m)	Span in Metres (m)	Span in Metres (m)	Span in Metres (m)	Span in Metres (m)	Span in Metres (m)	Span in Metres (m)	Span in Metres (m)
-29	127	279	508	787	203	432	762	1194	254	584	1016	1575
-18	152	330	559	838	203	457	813	1270	279	584	1041	1626
0	152	356	635	914	229	483	864	1346	279	610	1092	1702
16	178	406	711	1118	229	533	940	1473	279	635	1143	1778
32	203	432	762	1194	254	559	991	1549	305	660	1168	1829
	Sag in Millimetres			Sag in Millimetres			Sag in Millimetres			Sag in Millimetres		
	406			406			406			406		
	889			889			889			889		
	1600			1600			1600			1600		
	2489			2489			2489			2489		
	2540			2540			2540			2540		
	2591			2591			2591			2591		
	2616			2616			2616			2616		
	2692			2692			2692			2692		

Ruling span formula:

Ruling span = average span + 2/3 (maximum span - average span)

TABLE 107
(SEE RULE 75-110)
HAZARDOUS LOCATIONS

Type of Installation	Wiring	Switches	Motors	Fixtures
<u>Farms</u>				
Grain Grinders Rollers Hammer Mills Feed Mixing	As Required by Section 12 and/or Section 22	Dust-Tight	Totally Enclosed	Dust-Tight
<u>Commercial</u>				
Chopping Mills Feed Mixing Plants Flour Mills Alfalfa Grinding and Processing Mills Terminal Grain Elevators	Rigid Metallic Conduit, Mineral Insulated Cable or Aluminum Sheathed Cables as Required by Rule 18-202(1)	Class II, Group 'G'	Class II, Group 'G'	Class II, Group 'G'

TABLE 108

(SEE RULE 75-056)

SELECTION OF INSULATORS

(Specifications 35, 36, 37)

Line Voltage kV	Pin Type Insulator For Cross-Arm Framing	Post Type Insulator For Armless Framing		Suspension Type Insulators	
		Clamp Top		Poly Meric (Epoxy)	
		Tie Top	Clamp Top	Porcelain or Glass	In-Span Live-Line Openers
Up to 50 kV	See Specification 35	Vert.	Horiz.	Angles switches and dead- ends on grounded steel	Angles switches and dead- ends
		Horiz.	Vert. or Horiz.	In-Span Live-Line Openers	In-Span Live-Line Openers
		See Spec. 36 Item 1	See Spec. 36 Item 2(a) or 2(b)	See Spec. 37 Item 1(a) or 1(b)	See Spec. 37 Item 2
		See Spec. 36 Item 1	See Spec. 36 Item 2(a) or 2(b)	See Spec. 37 Item 1(a) or 1(b)	See Spec. 37 Item 2

TABLE 109

(SEE RULE 75-020)

DIMENSIONS FOR OFFSETTING POLES

Pole Length (Metres)	Offset and Rake (Millimetres)
9.5	300
11.0	300
12.5	380
14.0	380
15.5	460
17.0	460
19.0	530
21.0	530
23.0	610
25.0	690
27.0	760

NOTE: No "Offset" or "Rake" is required for line deflection angles up to 5°.



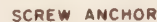
(75-032)



(75-032)



- 1 LOCATE THE DESIRED SPOT FOR ANCHOR. BORE 20mm AUGER HOLE AT THE ANGLE AND THE DEPTH REQUIRED.
- 2 SECURE ANCHOR ON ROD AND PUSH ROD TO THE FULL DEPTH OF THE HOLE.
- 3 TAMP WITH TAMPING BAR UNTIL ANCHOR IS FULLY EXPANDED.
- 4 PULL UP GUY WIRE BEFORE REFILLING THE HOLE.
- 5 BACKFILL WELL TAMPED



- 1 REMOVE SOD FROM GROUND AT THE CORRECT LOCATION FOR ANCHOR ROD EYE.
- 2 INSERT A 1" BAR THROUGH EYE OF ROD AND LINE UP ROD WITH GUY.
- 3 TWO MEN BEAR DOWN ON ROD AND TURN IT INTO PLACE.
- 4 THIS ANCHOR MAY ALSO BE INSTALLED BY USING A SPECIAL "SCREW IN" TOOL.

(75-032)

[illegible]

ROCK ANCHOR WITH EARTH OVERBURDEN INSTALLATION OF SHALE, LIMESTONE & ROCK ANCHORS

CURVED WASHER
ITEM 5
SPECIFICATION 22
MACHINE BOLT



11. *Journal of the American Medical Association*, 1997; 277: 1001-1005.



(75-022)



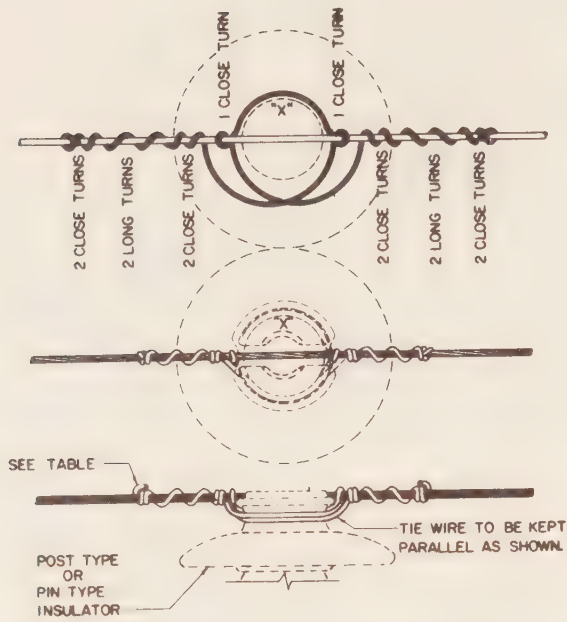
1. THE INSULATOR IS OMITTED FOR THE NEUTRAL CONDUCTOR.
2. PREFORMED GRIPS ARE ACCEPTABLE.

(75-064)



LONG SPOOL TIE FOR ACSR
CONDUCTORS 3/0 AWG AND SMALLER

SPECIFICATION 9
(75-064)

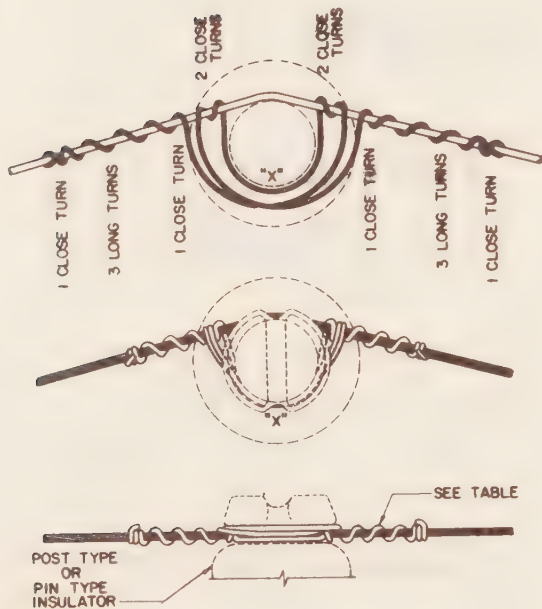


NOTE
START WITH CENTRE OF TIE WIRE AT "X".

LINE CONDUCTOR	TIE WIRE	TIE WIRE LENGTHS	
		1 PIECE INSULATOR	2 PIECE INSULATOR
NO. 2-6/1	NO. 4 AWG	1.020 m	1.170 m
NO. 2-4/3, NO'S 1/0, 2/0, 3/0-6/1	S.D.AL.	1.320 m	1.470 m

LONG TOP TIE FOR ACSR
CONDUCTORS 3/0 AWG AND SMALLER

SPECIFICATION 10
(75-064)

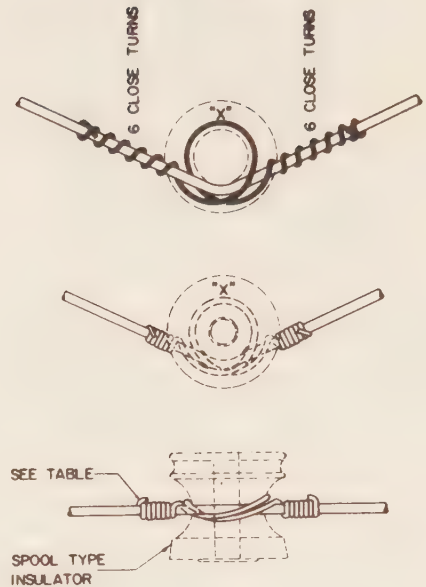


NOTE
START WITH CENTRE OF TIE WIRE AT "X".

LINE CONDUCTOR	TIE WIRE	TIE WIRE LENGTHS	
		1 PIECE INSULATOR	2 PIECE INSULATOR
NO. 2-6/1	NO. 4 AWG	1.170 m	1.470 m
NO. 2-4/3, NO'S 1/0, 2/0, 3/0-6/1	S.D.AL.	1.470 m	1.780 m

LONG SIDE TIE FOR ACSR
CONDUCTORS 3/0 AWG AND SMALLER

SPECIFICATION 11
(75-064)

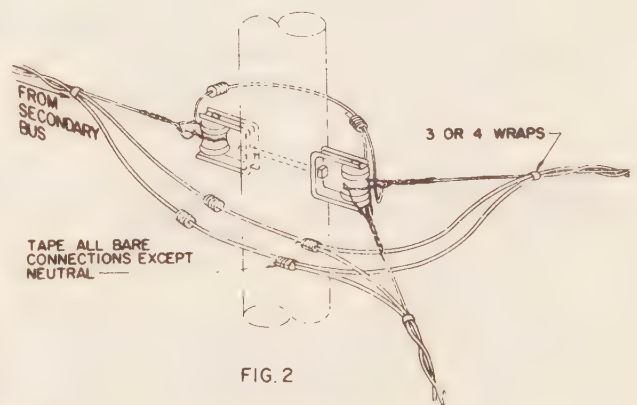
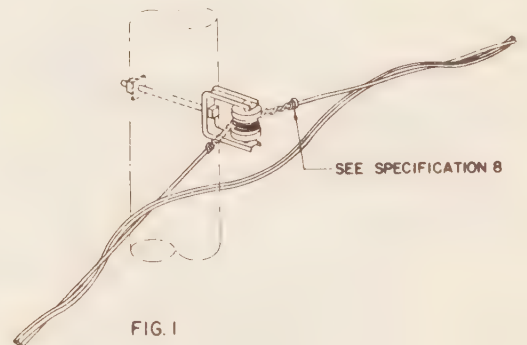


NOTE
START WITH CENTRE OF TIE WIRE AT "X".

LINE CONDUCTOR	TIE WIRE	TIE WIRE LENGTHS
NO. 2 ACSR 6/1 B WP. AL	NO. 4 AWG S.D.AL.	1.020 m
NO. 1/0 ACSR 6/1 B WP. AL		1.020 m
NO. 3/0 WP. AL		1.170 m
NO. 4/0 WP. AL		1.320 m

SECONDARY SPOOL TIE
FOR ALL WEATHERPROOF CONDUCTORS

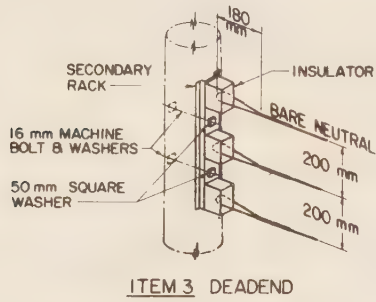
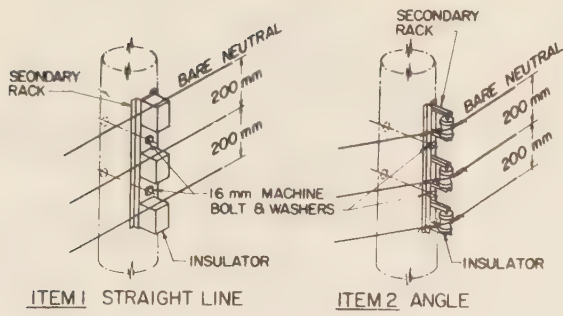
SPECIFICATION 12
(75-054, -066)



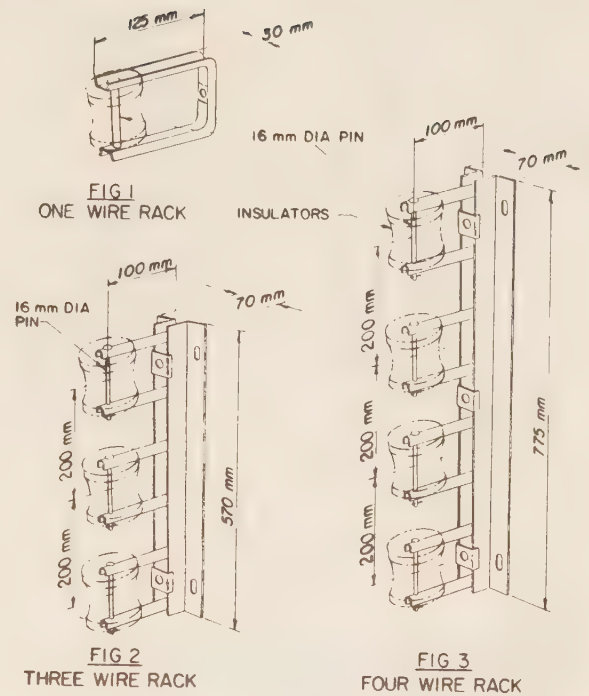
NOTE
COMPRESSION CONNECTORS SHALL BE USED
WHERE REQUIRED BY RULE 75-066.

INSTALLATION OF NEUTRAL SUPPORTED CABLE

SPECIFICATION 13
(75-054)



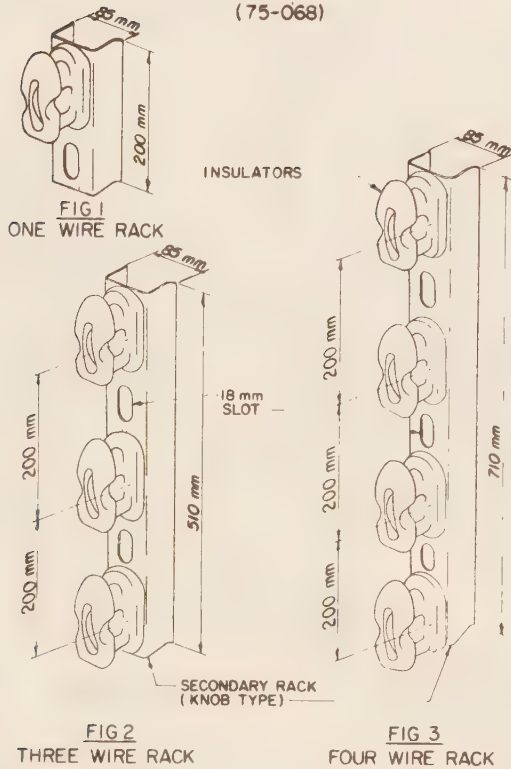
SPECIFICATION 15
(75-054,-068)



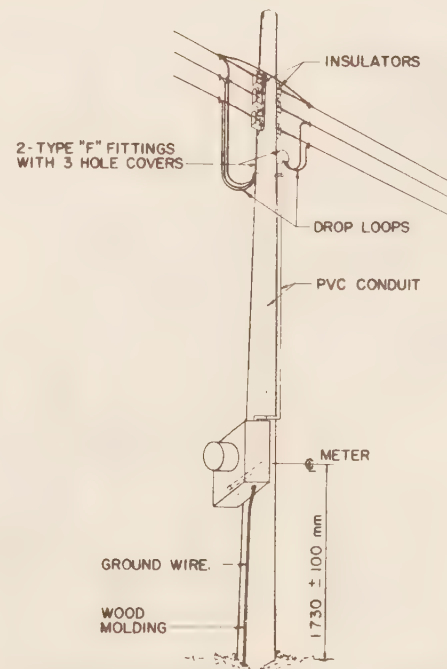
SECONDARY SERVICE RACK

SECONDARY SERVICE RACK

SPECIFICATION 14
(75-068)



SPECIFICATION 16
(75-070)

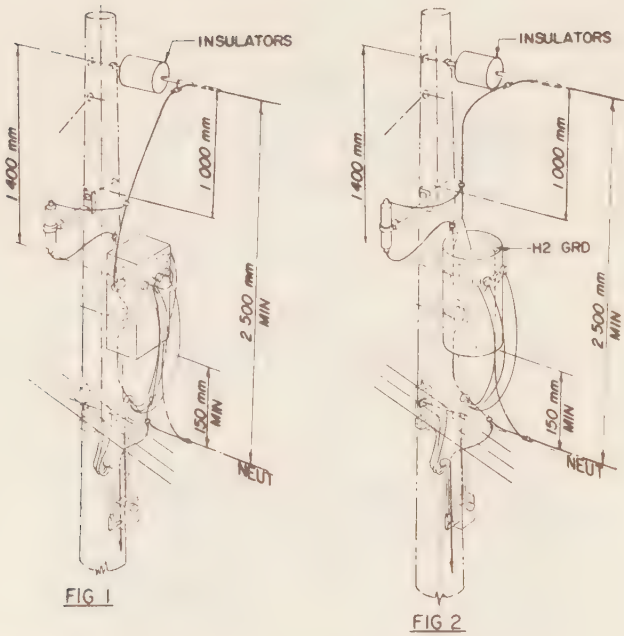


NOTES

1. IF METALLIC CONDUIT IS USED, ALL CONDUCTORS MUST BE IN BOTH LINE AND LOAD SIDE IN ACCORDANCE WITH RULE 12-1004 OF E.S.C.
2. COMPRESSION CONNECTORS SHALL BE USED ON ALL OVERHEAD CURRENT CARRYING CONNECTIONS.

INSTALLATION OF A SERVICE
BOX ON A POLE

SPECIFICATION 17 (75-070)

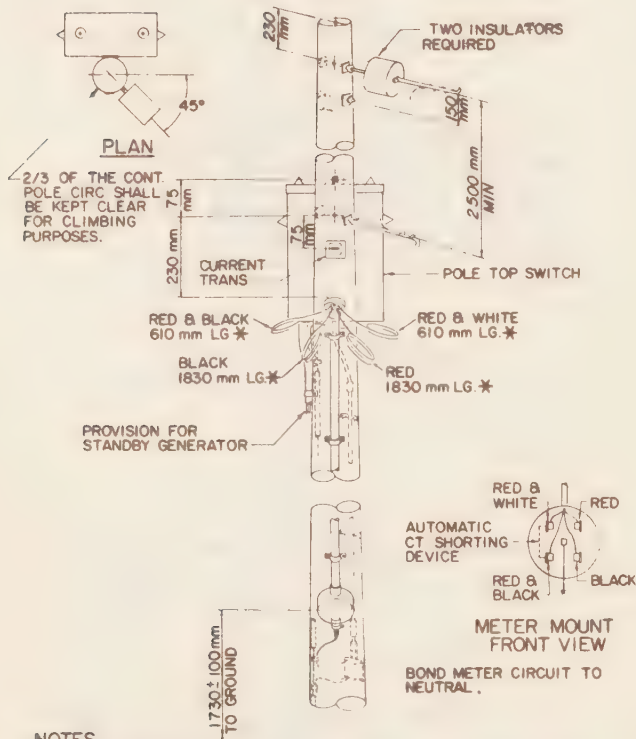


NOTES

1. SERVICE CONDUCTORS SHALL BE CONTINUOUS FROM TRANSFORMER BUSHING TO SERVICE CONDUIT.
2. THIS INSTALLATION REQUIRES A 12 METER (MIN) POLE.
3. COMPRESSION CONNECTORS SHALL BE USED ON ALL OVERHEAD CURRENT CARRYING CONNECTIONS.

TRANSFORMER INSTALLATION

SPECIFICATION 18 (75-070)

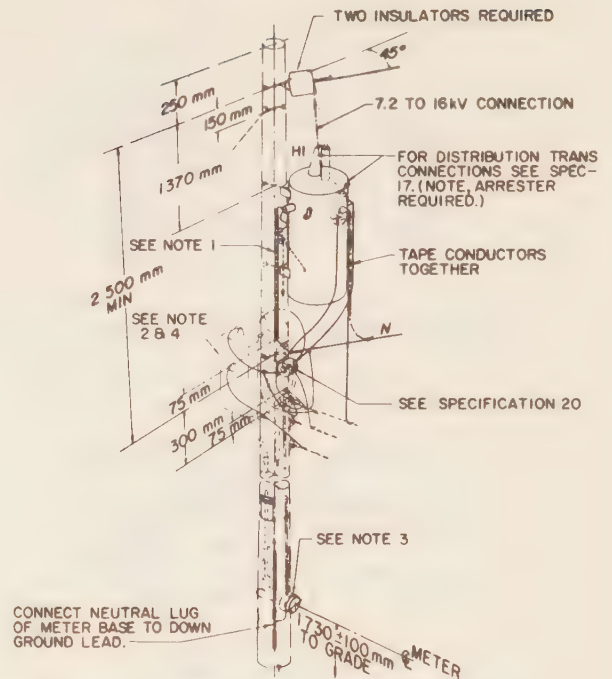


NOTES

1. STANDBY GENERATOR SHALL NOT BE CONNECTED TO WIRING SYSTEM EXCEPT THROUGH A DOUBLE-THROW SWITCH WHICH WILL PREVENT FEEDBACK ON THE SUPPLY AUTHORITY'S SYSTEM.
2. METER MOUNTS SHALL BE TYPE 'S' WITH AUTO BYPASS.
3. * MINIMUM LENGTH OUTSIDE CONDUIT.
4. COMPRESSION CONNECTORS SHALL BE USED ON ALL OVERHEAD CURRENT CARRYING CONNECTIONS.
5. CONDUCTORS FOR METERING ARE COPPER, NO. 12 TYPE TW-40°F OR TEW AND INSTALLED IN 3/4" RIGID CONDUIT.

CUSTOMER POLE FRAMING CENTRAL METERING

SPECIFICATION 19 (75-070,-104)

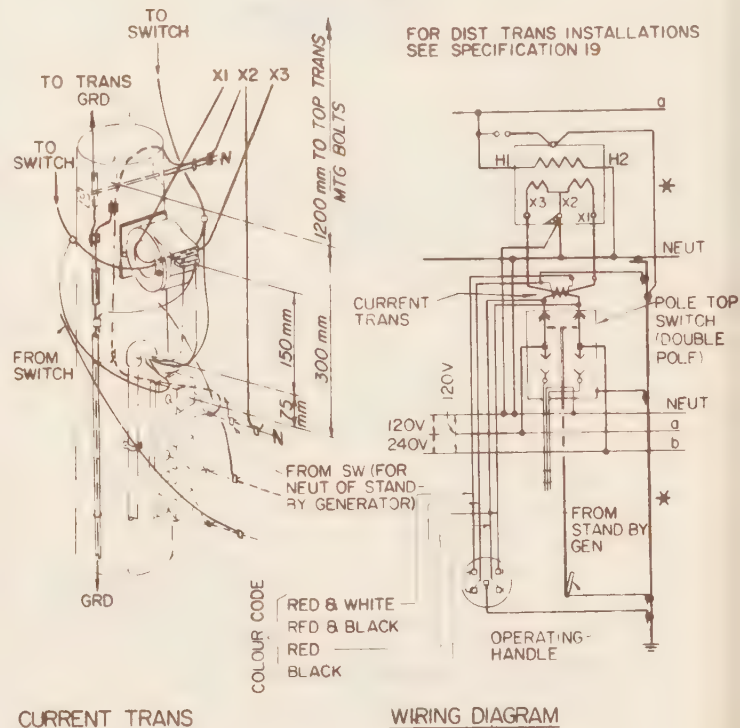


NOTES

1. CONTINUOUS FROM SYSTEM NEUTRAL TO GROUND ELECTRODE.
2. POLE TOP SWITCH MAY HAVE PROVISION FOR STANDBY GENERATOR.
3. "S" METER BASE MUST HAVE AUTOMATIC SHORTING DEVICE.
4. GROUND POLE TOP SWITCH TO GROUND BUS WITH NO. 4 AWG COPPER.
5. COMPRESSION CONNECTORS SHALL BE USED ON ALL OVERHEAD CURRENT CARRYING CONNECTIONS.

C.M.S. TRANSFORMER INSTALLATION WITH POLE TOP SWITCH CUSTOMERS POLE SINGLE PHASE 2.4 TO 16KV

SPECIFICATION 20 (75-070)



CURRENT TRANS

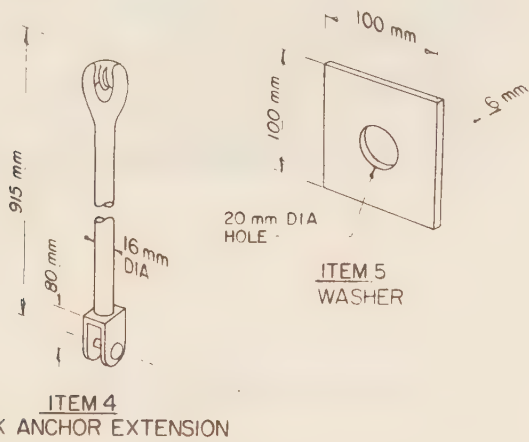
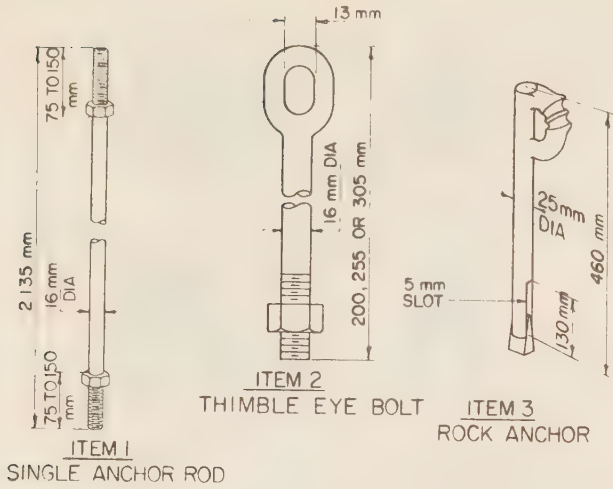
WIRING DIAGRAM

LEGEND

- = LV POLARITY MARKS (•) OR X1
- = HV POLARITY MARKS (•) OR H1
- * CONTINUOUS LEADS

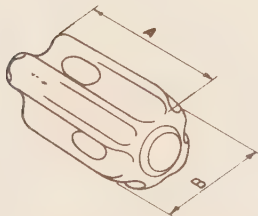
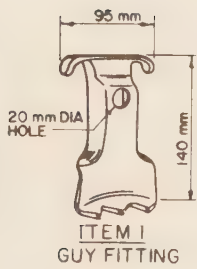
CT. LOCATION & WIRING DIAGRAM CENTRAL METERING TRANSFORMER INSTALLATION CUSTOMER'S POLE

SPECIFICATION 21
(SPEC 2,3,4,5 & 6)

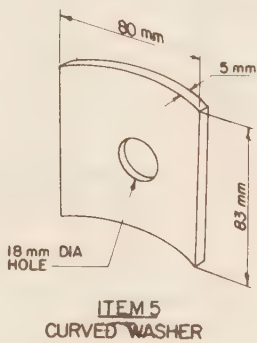
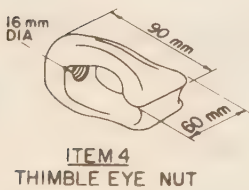
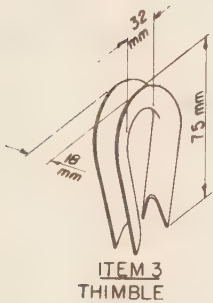


MATERIAL

SPECIFICATION 22
(SPEC 5 & 6)
(75-042)

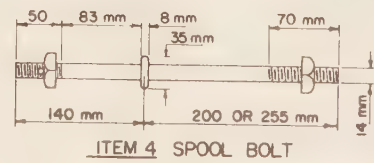
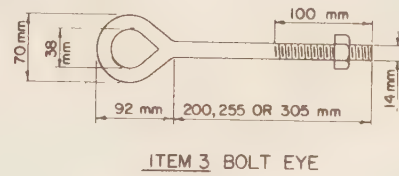
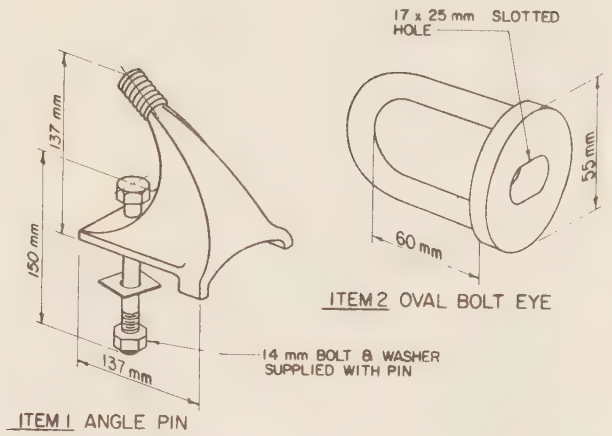


DIM	15 kV	46 kV
A	115 mm	170 mm
B	73 mm	90 mm



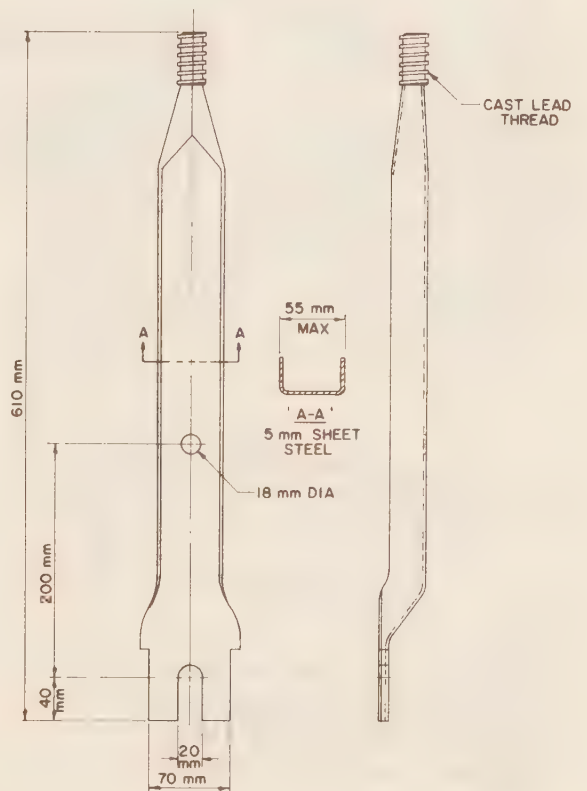
MATERIAL

SPECIFICATION 23
(75-022)

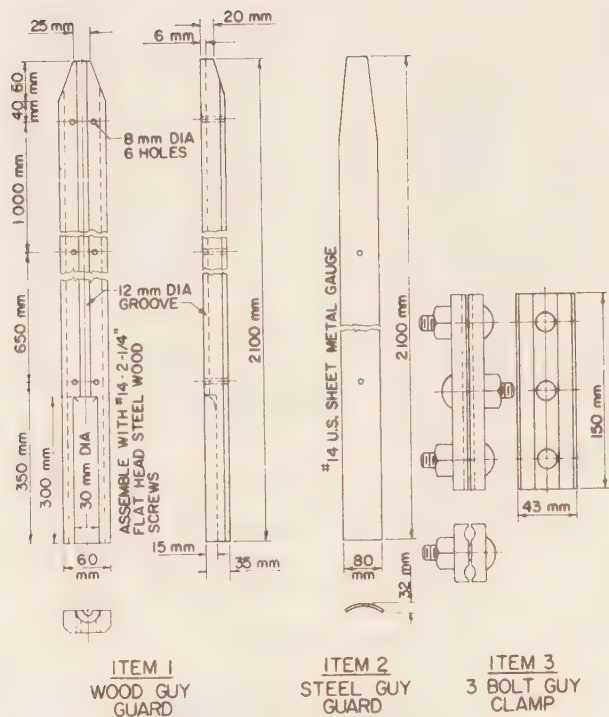


MATERIAL

SPECIFICATION 24
(75-056)



SPECIFICATION 25
(SPECIFICATIONS 5 & 6)

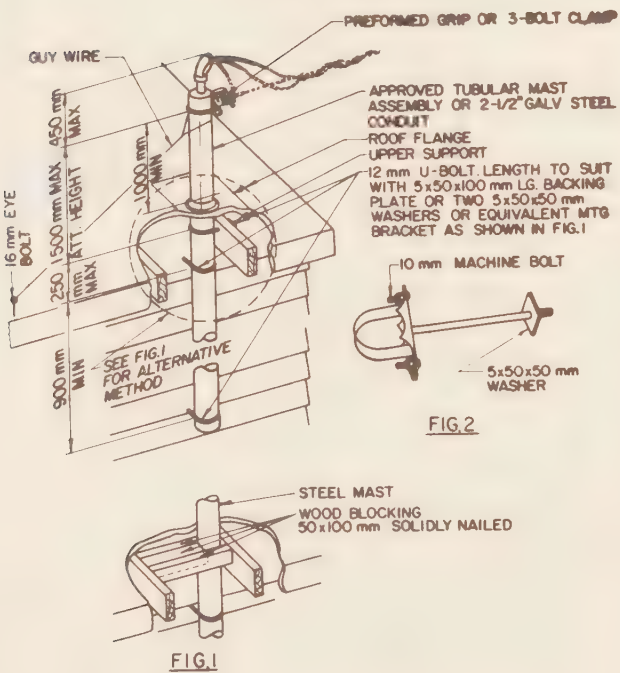


NOTE

NOTE
AS AN ALTERNATIVE, PREFORMED GUY GRIPS AND/OR PLASTIC GUY GUARDS MAY BE USED.

GUY GUARDS

SPECIFICATION 26
(75-066,-042)

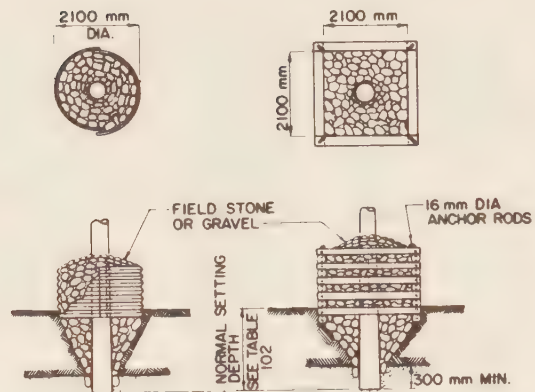


NOTES

1. ALL HARDWARE TO BE HOT DIPPED GALVANIZED STEEL.
2. WHERE THE MAXIMUM ATTACHMENT HEIGHT EXCEEDS 1500 mm, THEN GUYING MUST BE EMPLOYED. CONNECT TO EYE BOLT FASTENED TO BUILDING STRUCTURAL MEMBER.
3. COMPRESSION CONNECTORS SHALL BE USED WHERE REQUIRED.

SERVICE MAST INSTALLATION

SPECIFICATION 27
(75-020)



NOTES

1. CORRUGATED OR GALVANIZED STEEL CRIBBING SHALL BE 14 IN. THICK OR THICKER.
2. TIMBERS SHALL BE WESTERN CEDAR OR PRESSURE TREATED PINE.
3. FOR CORNER FASTENING USE 16 mm DIA. GALVANIZED ANCHOR RODS.
4. DEPTH OF POLE FOR VARIOUS POLE LENGTHS SHALL BE AS STATED IN TABLE 102.
5. HEIGHT OF CRIB WILL VARY WITH POLE HEIGHT. MINIMUM HEIGHT OF CURB SHALL BE 600 mm.

CRIBBING OF POLES

SPECIFICATION 28
(75-022)

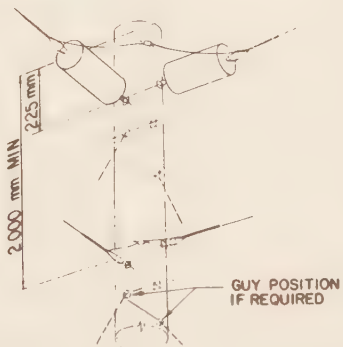
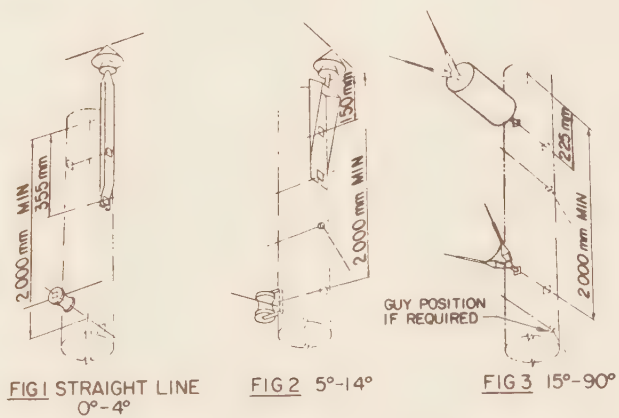


FIG 4 DEADEND & VERTICAL CORNER

PRIMARY 10,16KV MAX VERTICAL

SPECIFICATION 29
(75-022)

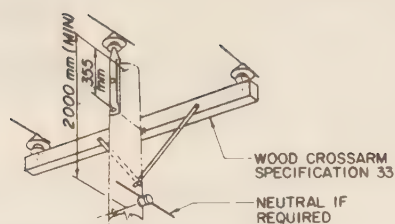


FIG.1 STRAIGHT LINE 0°-4°

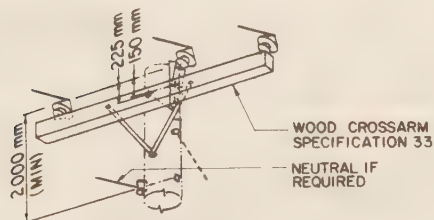


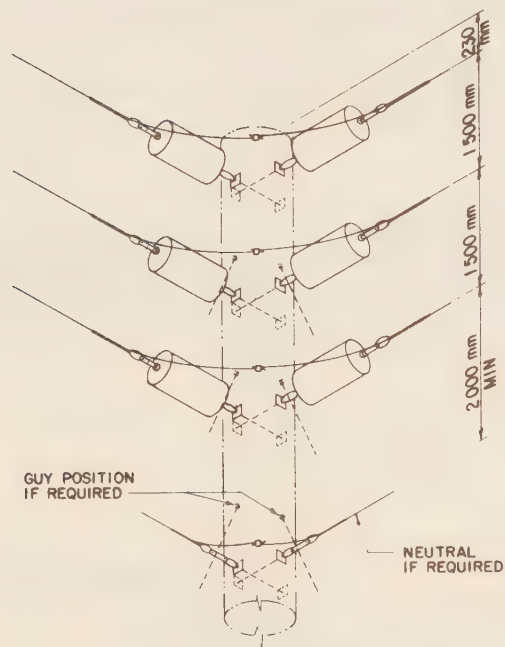
FIG.2 5°-14°

NOTE

ON 44KV THE MAXIMUM SPAN SHALL BE 75 METERS.

PRIMARY 3 Ø 50KV MAX CROSSARM

SPECIFICATION 30
(75-022)

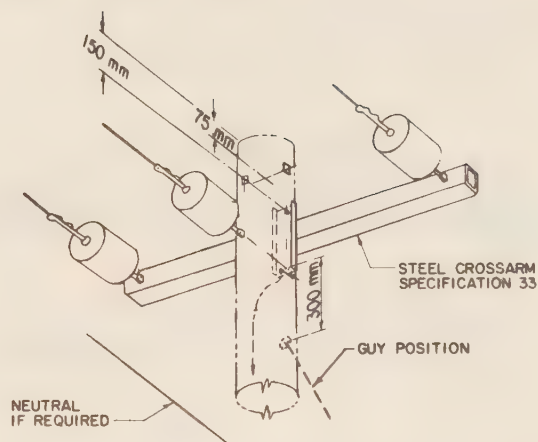


NOTE

MAXIMUM SPAN FOR VERTICAL DEADEND AND VERTICAL CORNER SHALL BE 75 METERS.

PRIMARY 3 Ø 50KV MAXIMUM VERTICAL DEADEND AND VERTICAL CORNER

SPECIFICATION 31
(75-022)



NOTES

1. DEADEND 1360kg MAXIMUM TENSION.
2. MAXIMUM SPAN FOR CROSSARM DEADEND SHALL BE 75 METRES.

PRIMARY 3 Ø 50KV MAXIMUM CROSSARM DEADEND

SPECIFICATION 32
(75-022)

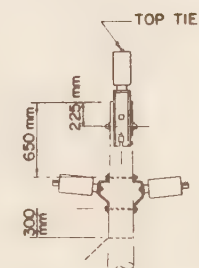


FIG.1 STRAIGHT LINE 0°-4°

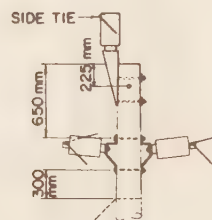


FIG.2 ANGLES 5°-14°

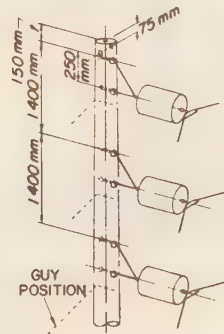
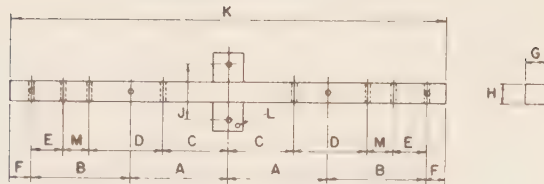


FIG.3 ANGLES 15°-45°

PRIMARY 3 Ø 50KV MAXIMUM ARMLESS (IMPROVED APPEARANCE)

SPECIFICATION 33
 (75-048)

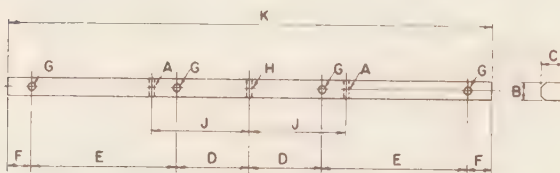


ITEM-1
 HOLLOW STEEL CROSSARM
 WITH WELDED STEEL END PLATES

WEIGHT	K	A	B	C	D	E	F	G	H	J	L	M	MAX LOAD PER COND
67.13 kg	2896	915	457	610	533	127	76	102	102	254	11	102	588 kg/force

NOTES

- 1) ALL DIMENSIONS ARE IN MILLIMETERS.
- 2) ALL HOLES UNLESS SPECIFIED IN CHART ABOVE ARE 22mm DIA.
- 3) ALL HOLES ARE LOCATED IN THE CENTRE OF FACE IN WHICH THEY ARE DRILLED EXCEPTING 11mm DIA GROUND CONNECTOR HOLE.



ITEM-2
 WOOD CROSSARM

K	A	B	C	D	E	F	G	H	J
3000	10	95	121	457	915	128	18	22	559

NOTE

ALL HOLES TO BE IN CENTRE OF FACE
IN WHICH THEY ARE BORED.

STEEL AND WOOD CROSSARMS

SPECIFICATION 34
 (75-042)

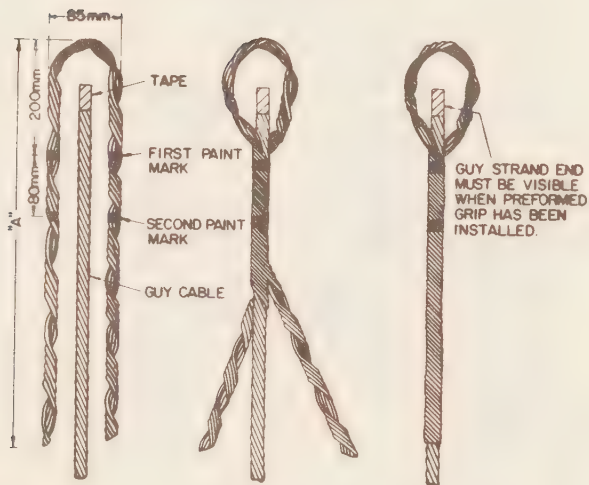


FIG 1

START TO WRAP ONE
LEG OF GRIP AROUND
GUY CABLE MAKE 3
COMPLETE TURNS AND
REPEAT PROCEDURE
WITH OTHER LEG.

FIG 2

WITH END OF GRIP IN
EACH HAND TWIST
LEGS OF GRIP AROUND
CABLE AS FAR AS
POSSIBLE.

FIG 3

TO COMPLETE, FOLD
GUY GRIP STRAND
UNDER, USING SCREW
DRIVER TO MAKE LAST
WRAP SNAP INTO
POSITION.

NOTES

1. FOR 8mm GUY "A" = 760mm.
2. FOR 11mm GUY "A" = 890mm.
3. WHEN USING PREFORMED GUY GRIPS WITH GUY FITTINGS, START WRAP AT FIRST PAINT MARK. WHEN USED WITH STRAIN INSULATORS START AT SECOND PAINT MARK.
4. PREFORMED GUY GRIPS MAY BE REMOVED AND RE-INSTALLED ONCE.

METHOD OF INSTALLING
PREFORMED GUY GRIPS

SPECIFICATION 35
 (TABLE 108)

LINE VOLTAGE kV	
PRIMARY (FOUR WIRE SYSTEMS)	 LONG TOP TIE SPECIFICATION 9 LONG SIDE TIE SPECIFICATION 10 PRIMARY
2.4/4.16 TO 4.8/8.32 7.2/12.47 8/13.8	
14.4/24.9 16/27.6	
SUBTRANSMISSION (THREE WIRE SYSTEMS)	 LONG TOP TIE SPECIFICATION 9 LONG SIDE TIE SPECIFICATION 10 SUBTRANSMISSION
27.6 (INC 13.8) 44	

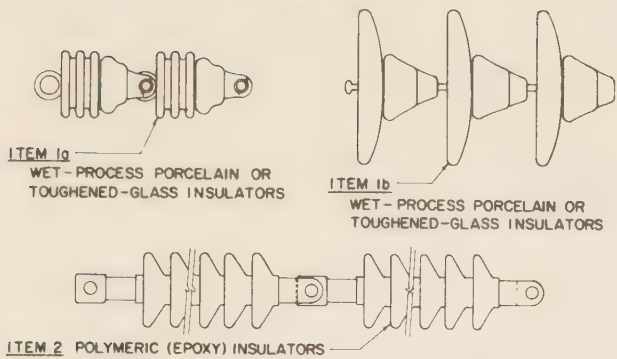
TYPICAL PIN TYPE INSULATOR ASSEMBLIES

SPECIFICATION 36
 (TABLE 108)

LINE VOLTAGE 'kV'	TIE TOP-VERTICAL & HORIZONTAL
PRIMARY (FOUR WIRE SYSTEMS)	 LONG TOP TIE LONG SIDE TIE
2.4/4.16 TO 4.8/8.32 7.2/12.47 8/13.8 14.4/24.9 16/27.6	
SUBTRANSMISSION (THREE WIRE SYSTEMS)	
27.6 (INCL 13.8) 44	ITEM-1 VERTICAL TYPE INSULATOR. FOR VERT MTG POSITION TO BE USED WITH TOP OR SIDE TIE. HORIZ MTG POSITION TO BE USED WITH SIDE TIE. SUITABLE FOR TANGENT AND ANGLES 0°-15°.
	CLAMP TOP-VERTICAL OR HORIZONTAL ITEM-2a VERTICAL TYPE. CLAMP TOP INSULATOR IN VERT MTG POSITION FOR TANGENT AND ANGLES 0°-15°.
	ITEM-2b VERTICAL TYPE. CLAMP TOP INSULATOR IN HORIZ MTG POSITION FOR ANGLES 16°-45°.
	CLAMP TOP-HORIZONTAL ITEM-3 HORIZONTAL TYPE. CLAMP TOP INSULATOR IN HORIZ MTG POSITION FOR TANGENT AND ANGLES 0°-15°.

TYPICAL POST TYPE
INSULATOR ASSY'S

SPECIFICATION 37
 (TABLE 108)



APPLICATION OF PORCELAIN OR GLASS SUSPENSION-TYPE INSULATORS
 -NUMBER REQUIRED.

SYSTEM	ANGLES, SWITCHES AND DEADENDS		IN-SPAN LIVE-LINE OPENERS	FLOATING DEADENDS
	WOOD	STEEL		
PRIMARY (4 WIRE) UP TO 8/13.8 kV	ITEM 1a 2 REQ'D	ITEM 1a 3 REQ'D	ITEM 1a 4 REQ'D	ITEM 1a 4 REQ'D
14.4/24.9 kV AND 16/27.6 kV	ITEM 1a OR 1b 3 REQ'D	ITEM 1a OR 1b 4 REQ'D	ITEM 1b 4 REQ'D	ITEM 1a 6 REQ'D
SUBTRANSMISSION (3 WIRE) 27.6 AND 44 kV	ITEM 1b 4 REQ'D	ITEM 1b 4 REQ'D	ITEM 1b 4 REQ'D	N/A

APPLICATION OF POLYMERIC (EPOXY) SUSPENSION-TYPE INSULATORS
 -NUMBER AND SIZE OF INSULATORS REQUIRED PER PHASE.

APPLICATION	VOLTAGE LEVEL (PHASE-PHASE)		
	UP TO 15 kV	25 & 27.6 kV-4 WIRE	44 kV
DEADEND, ANGLES, SWITCHES	ITEM 2 1 REQ'D (25 kV)	ITEM 2 1 REQ'D (35 kV)	ITEM 2 2 REQ'D (25 kV)
IN-SPAN LIVE LINE OPENERS	ITEM 2 2 REQ'D (15 kV)	ITEM 2 2 REQ'D (25 kV)	ITEM 2 2 REQ'D (25 kV)
FLOATING DEADENDS	ITEM 2 2 REQ'D (15 kV)	ITEM 2 2 REQ'D (25 kV)	N/A

TYPICAL SUSPENSION-TYPE
 INSULATOR STRAIN ASSEMBLIES

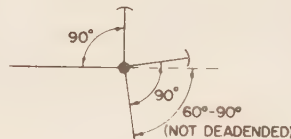
SPECIFICATION 38
 (75-038)



- FROM 0° TO 3°
STORM GUYS SHALL BE USED WHERE SPECIFIED, AS SHOWN IN SKETCH.



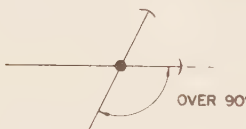
- FROM 3° TO 60°
SHALL BE PLACED SO THAT THE ANGLE IS BISECTED AS SHOWN IN SKETCH. THIS SHALL APPLY REGARDLESS OF NUMBER OF GUYS USED.



- FROM 60° TO 90° (CONDUCTORS NOT DEADENDED)
GUYS SHALL BE PLACED AT 90° TO EACH LINE SECTION AS SHOWN IN SKETCH.



- OVER 60° (CONDUCTORS DEADENDED)
GUYS SHALL BE PLACED AS SHOWN IN SKETCH.



- OVER 90°
GUYS SHALL BE PLACED AS SHOWN IN SKETCH.

NOTE

- THESE METHODS MAY HAVE TO BE ALTERED TO SUIT LOCAL CONDITIONS.

ARRANGEMENT OF GUYS 0-50 kV

SECTION 79—REVOCATION

79-000. Regulation 794 of Revised Regulations of Ontario, 1980 is revoked.

COMMENCEMENT

79-002. This Regulation comes into force on the 1st day of April, 1984.

ONTARIO HYDRO

MILAN NASTICH
Chairman

W. E. RANEY
Secretary

Dated at Toronto, this 16th day of January, 1984.

(4479)

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NOTICE TO SHERIFFS AND TREASURERS

Re Advertising Sale of Lands for Taxes in “The Ontario Gazette”, Year 1984

Section 563 of The Municipal Act provides:

563. **The day of the sale** shall be **more** than ninety-one days after the first publication of the list in THE ONTARIO GAZETTE.

During year 1984 the dates for publication of tax sales advertisements in THE ONTARIO GAZETTE are as follows:

January 7th,	Issue No. 1	—Earliest Date Sale can be held—	April 8th,	1984
February 4th,	” ” 6	” ” ” ” ” ”	—May 6th,	”
March 3rd,	” ” 10	” ” ” ” ” ”	—June 3rd,	”
April 7th,	” ” 14	” ” ” ” ” ”	—July 8th,	”
May 5th,	” ” 19	” ” ” ” ” ”	—August 5th,	”
June 2nd,	” ” 23	” ” ” ” ” ”	—September 2nd,	”
July 7th,	” ” 27	” ” ” ” ” ”	—October 7th,	”
August 4th,	” ” 32	” ” ” ” ” ”	—November 4th,	”
September 1st,	” ” 36	” ” ” ” ” ”	—December 2nd,	”
October 6th,	” ” 40	” ” ” ” ” ”	—January 6th,	1985
November 3rd,	” ” 45	” ” ” ” ” ”	—February 3rd,	”
December 1st,	” ” 49	” ” ” ” ” ”	—March 3rd,	”

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REGULATION MADE UNDER
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THE ONTARIO GAZETTE is published each Saturday and advertisements must be received before Thursday 4 p.m. 9 days before publication date to ensure inclusion in the next issue.

Advertisements should be typewritten or printed legibly, **separate from covering letter.** Number of insertions required must be stated and the names of any signing officers typewritten or printed.

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TORONTO, SATURDAY, APRIL 28th, 1984

ANNUAL REPORT

JANUARY 1ST, 1982 to DECEMBER 31ST, 1982

SECTION 178.22 CRIMINAL CODE

Pursuant to Section 178.22 (5) of the Criminal Code of Canada, the following is a Report for the period January 1st, 1982 to December 31st, 1982, relating to the authorizations for which Agents specially designated in writing by me for the purposes of Section 178.12 of the Criminal Code have made applications and the interceptions made thereunder.

As in previous years I have not designated any police officers for the purpose of making emergency applications. All applications for authorizations have been made by senior Crown Law officers who have been designated by me for the purpose pursuant to Section 178.12 as we feel that the Province is adequately covered by senior Crown Law Officers designated as Agents.

In previous reports I have given my comments not only on the legislation itself but also on the statistical aspects of the report. Although these comments are still valid, I shall not repeat them in full as recourse may be had to previous reports.

However, I feel that I should summarize briefly in regard to some of the statistical areas.

1. A study of the Project Summarization forms submitted by our largest police force would indicate that of the seventy authorizations granted in respect to investigations conducted by that force, forty-four of those authorizations were interrelated and, in fact, constituted different aspects of only sixteen investigations. In several cases, three or more, and as many as eight authorizations were taken out in relation to the same investigation as some changes in the authorizations would preclude obtaining a renewal, such as an additional identified person. Although this cannot be said to be common with other forces that obtain fewer authorizations, this factor should be taken into consideration when assessing the number of authorizations granted.

2. The number of actual authorizations granted due to more stringent requirements of the court (any variation, regardless of how minor, requires a new authorization) has increased for the first time in five years (1978-238, 1979-202, 1980-185, 1981-149). However, if we consider note 1 supra, the actual number of investigations for which authorizations were granted in 1982 would show a decrease.

3. Although only 1 reported application for an authorization was refused by the Courts this year I am satisfied that this is due to the very stringent screening by senior police officers and my Agents before an application is made to the Judge.

4. We feel that *all* authorizations are granted subject to certain terms and conditions, and have therefore reported the number of applications made subject to terms and conditions as being the same as the number of applications granted.

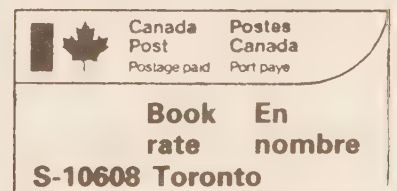
5. The number of Notifications to persons that have been the subject of an interception, is not necessarily the same as the total number of persons listed under sections (d) and (e) of these statistics. The same person may be listed under all three subsections of sections (d) and (e) where an authorization contains multiple offences.

6. Most charges which arose as a result of authorizations granted in 1982 are still before the Courts or have not yet come before the Courts. As a result, the number of resultant convictions appears comparatively low. This will be updated in the 1983 Report.

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1975



7. Where authorizations were obtained which were in effect “renewals” and were related to the same persons and the same investigation, duplicate figures were not reported as this would give a distorted statistical view. For example, if four authorizations were related to the same investigation and the same four persons were named in each authorization and, if four convictions were obtained, these were not reported as sixteen persons and sixteen convictions, but rather as four persons and four convictions.

8. With particular reference to sections (k)—(number of persons arrested) and (l)—(court proceedings where evidence adduced and resultant convictions) the following should be taken into consideration:

- (i) Section 1 (ii) refers to the number of “proceedings” (court) that resulted in a conviction, not the number of “persons” convicted. The actual number of persons convicted is proportionate to the number of persons arrested as reported in section k.
- (ii) The discrepancy between the number of authorizations obtained and resultant convictions is explained in item 5 (not yet before the courts) and 7 (several authorizations in relation to the same investigation) above.

STATISTICS

(a)	The number of applications made for authorizations	168
(b)	The number of applications made for renewal of authorizations	3
(c)	(i) The number of applications referred to in paragraphs (a) and (b) that were granted	171
	(ii) The number of such applications that were refused	1
	(iii) The number of applications referred to in paragraph (a) that were granted subject to terms and conditions	167
(d)	The number of persons identified in an authorization against whom proceedings were commenced at the instance of the Attorney General of Ontario in respect of:	
	(i) an offence specified in the authorization	123
	(ii) an offence other than an offence specified in the authorization but in respect of which an authorization may be given	33
	(iii) an offence in respect of which an authorization may not be given	28
(e)	The number of persons not identified in an authorization against whom proceedings were commenced at the instance of the Attorney General of Ontario in respect of:	
	(i) an offence specified in such an authorization	88
	(ii) an offence other than an offence specified in such an authorization but in respect of which an authorization may be given	18
	(iii) an offence other than an offence specified in such an authorization and for which no such authorization may be given	40
	and whose commission or alleged commission of the offence became known to a peace officer as a result of an interception of a private communication under an authorization	
(f)	The average period for which authorizations were given and for which renewals thereof were granted	60 days
(g)	The number of authorizations that, by virtue of one or more renewals thereof were valid	
	(i) for more than 30 days	0
	(ii) for more than 60 days	3
	(iii) for more than 90 days	0
	(iv) for more than 180 days	0
(g)	(i) The number of notifications given pursuant to Section 178.23	313
	(h) The offences in respect of which authorizations were given, specifying the number of authorizations given in respect of each such offence:	

*This subsection is no longer particularly meaningful since the amendment to the Criminal Code permitting the granting of an authorization for 60 days instead of 30 days.

THE ONTARIO GAZETTE

1977

SECTION	OFFENCE	NUMBER
<i>Criminal Code of Canada</i>		
79	Causing Injury with Intent	3
	Conspiracy to . . .	2
88	Possession of Prohibited Weapon	4
	Conspiracy to . . .	3
111	Government Official Fraud in Relation to Official Duties	3
	Conspiracy to . . .	1
127	Obstructing Justice	2
	Conspiracy to . . .	2
186	Bookmaking	11
	Conspiracy to . . .	7
195	Procuring	2
	Conspiracy to . . .	2
218	First or Second Degree Murder	12
	Conspiracy to . . .	10
222	Attempt Murder	2
	Conspiracy to . . .	1
223	Accessory to Murder	2
	Conspiracy to . . .	1
294	Theft Over	14
	Conspiracy to . . .	12
303	Robbery	12
	Conspiracy to . . .	8
305	Extortion	3
	Conspiracy to . . .	3
306	Breaking and Entering	12
	Conspiracy to . . .	8
312	Possession of Property Obtained by Crime	20
	Conspiracy to . . .	16
325	Forgery	5
	Conspiracy to . . .	5
326	Uttering Forged Document	4
	Conspiracy to . . .	4
338	Fraud	12
	Conspiracy to . . .	11
389	Arson	2
	Conspiracy to . . .	2
407	Making Counterfeit Money	1
	Conspiracy to . . .	1
408	Possession of Counterfeit Money	1
	Conspiracy to . . .	1
410	Uttering Counterfeit Money	1
	Conspiracy to . . .	1
(i) A description of all classes of places specified in the authorizations and the number of authorizations in which each such class of place was specified:		
	Residences	102
	Commercial Establishments	47
	Pay Phones	4
	Other (vehicle, hotel room, etc.)	4
(j) A general description of the methods of interception involved in each interception under an authorization:		
	Telephone Device	104
	Transmitting Device in Building (microphone)	23
	Other	0

(k) The number of persons arrested whose identity became known to a peace officer as a result of an interception under an authorization	116
(l) The number of criminal proceedings commenced at the instance of the Attorney General of Ontario in which private communications obtained by interception under an authorization were adduced in evidence and the number of such proceedings that resulted in a conviction:	
(i) Number of criminal proceedings commenced at the instance of the Attorney General of Ontario in which private communications obtained by interception under an authorization were adduced in evidence	52
(ii) Number of such proceedings that resulted in a conviction	50
(m) The number of criminal investigations in which information obtained as a result of the interception of a private communication under an authorization was used although the private communication was not adduced in evidence in criminal proceedings commenced at the instance of the Attorney General of Ontario as a result of the investigation	44

Section 178.22(3)

The number of prosecutions commenced against officers or servants of Her Majesty in Right of Canada or members of the Canadian Forces for offences under Section 178.11 or Section 178.2

0

R. ROY MCMURTRY
Attorney General

(4576) 17

Ontario Highway Transport Board Act

The following applications for operating licences under the *Public Commercial Vehicles Act*, R.S.O. 1980, Chapter 407, the *Motor Vehicle Transport Act*, R.S.C. 1970, Chapter M-14 and the *Public Vehicles Act*, R.S.O. 1980, Chapter 425, are published pursuant to Section 8, R.R.O. 1980, Regulation 716.

Section 8 R.R.O. 1980, Regulation 716 provides that the Board may dispose of these applications summarily if no objection is served and filed in the prescribed manner within twenty-nine days of this publication.

Some of these applications will require a public hearing. Members of the public and counsel may speak to the dates and locations for such hearings on Thursday, the 31st day of May, 1984 at the Board's Chambers, Britannica House, 151 Bloor Street West, 10th Floor, Toronto, Ontario, at 4.00 p.m.

Persons unable to attend may speak to these matters by writing or telephoning Mrs. C. I. Davila, Secretary, at (416) 965-1845.

Heaslip Motors Limited.

13213-Q

10-20 Main Street South,
Hagersville, Ontario N0A 1H0,

applies for an extension to extra-provincial operating licence No. X-475, as follows:

1. For the carriage of passengers on a chartered trip, not being a schedule service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons:
 - (a) from Nanticoke, the Town of Haldimand, and the Regional Municipality of Hamilton-Wentworth, to the international boundary for furtherance to points in the United States of America and return to the point of origin;
 - (b) from Nanticoke, the Town of Haldimand, and the Regional Municipality of Hamilton-

- Wentworth to the Ontario-Quebec border for furtherance to points in the Provinces of Quebec, New Brunswick, Prince Edward Island, Nova Scotia and Newfoundland and return to point of origin;
- (c) from Nanticoke, the Town of Haldimand, and the Regional Municipality of Hamilton-Wentworth to the Ontario-Manitoba border for furtherance to the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, and the Yukon and Northwest Territories, and return to the point of origin;
 - (d) from Nanticoke, the Town of Haldimand, and the Regional Municipality of Hamilton-Wentworth, to the international boundary in transit through the United States of America for furtherance to Manitoba, Saskatchewan, Alberta, British Columbia, the Yukon and Northwest Territories and return to the point of origin;
 - (e) from Nanticoke, the Town of Haldimand, and the Regional Municipality of Hamilton-Wentworth, to the international boundary in transit through the United States of America for furtherance to Quebec, New Brunswick, Prince Edward Island, Nova Scotia and Newfoundland and return to point of origin.
2. For the transportation of groups of passengers and their baggage, travelling together for sight-seeing, educational, literary, athletic, social or pleasure purposes at irregular times over irregular routes and at a per capita round trip fare:
 - (a) from Nanticoke, the Town of Haldimand, and the Regional Municipality of Hamilton-Wentworth, to the international boundary for furtherance to points in the United States of America and return to the point of origin;
 - (b) from Nanticoke, the Town of Haldimand, and the Regional Municipality of Hamilton-Wentworth, to the Ontario-Quebec border for furtherance to points in the Provinces of

Quebec, New Brunswick, Prince Edward Island, Nova Scotia and Newfoundland and return to point of origin;

(c) from Nanticoke, the Town of Haldimand, and the Regional Municipality of Hamilton-Wentworth to the Ontario-Manitoba border for furtherance to the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, and the Yukon and the Northwest Territories and return to the point of origin;

(d) from Nanticoke, the Town of Haldimand, and the Regional Municipality of Hamilton-Wentworth to the international boundary in transit through the United States of America for furtherance to Manitoba, Saskatchewan, Alberta, British Columbia and the Yukon and Northwest Territories and return to point of origin;

(e) from Nanticoke, the Town of Haldimand, and the Regional Municipality of Hamilton-Wentworth, to the international boundary in transit through the United States of America for furtherance to Quebec, New Brunswick, Prince Edward Island, Nova Scotia and Newfoundland and return to the point of origin";

13213-R

also applies for an extension to public vehicle operating licence No. PV-2381, as follows:

- "1. For the carriage of passengers on a chartered trip, not being a schedule service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group or persons from Nanticoke, the Town of Haldimand and the Regional Municipality of Hamilton-Wentworth to points in the Province of Ontario and return to the point of origin.
2. For the transportation of groups of passengers and their baggage travelling together for sight-seeing, educational, literary, athletic, social or pleasure purposes at irregular times over irregular routes and at a per capita round trip fare from Nanticoke, the Town of Haldimand and the Regional Municipality of Hamilton-Wentworth, to points in the Province of Ontario and return to the point of origin".

Allan Leslie Allbright, 31068-A
R.R. #6,
Owen Sound, Ontario N4K 5N7,

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of wooden pallets, lumber and nails for Gordon McNab o/a Gordon McNab Pallet Manufacturing to or from their installation at Hepworth from or to points in Metropolitan Toronto, the Regional Municipalities of Halton, Peel and Waterloo, and the Counties of Grey, Bruce, Simcoe, Middlesex, Huron, Wellington, Essex and Lambton".

Brooking Transport Limited, 24160-F
281 Liberty St. North,
Bowmanville, Ontario L1C 3Y6,

applies for an extension to Class 'D' privileges on Class 'A' public commercial vehicle operating licence No. A-552, as follows:

Delete:

"EXTENSION GRANTED—For the carriage of bulk and bagged dry fertilizer in other than tank-type equipment for and on behalf of Ceresdale Fertilizers Limited, from the installation of the said company at the Village of Newcastle to farms and dealers situate in the Counties of Ontario, Northumberland and Durham, Peterborough, Hastings, Prince Edward and Victoria; and for the return of damaged or rejected shipments".

Substitute:

"For the carriage of fertilizer and fertilizer ingredients in other than tank type equipment for Ceresdale Fertilizers Limited".

Coachman Transport Services Inc., 36748
1565 Pitfield,
St. Laurent,
Montreal, Quebec H4S 1G3,

applies for an extra-provincial operating licence, as follows:

"For the carriage of goods for Wellman Inc., Stearns & Foster Canada Ltd. and Allan Candy Company Ltd., from points in the Province of Ontario to the international boundary for furtherance to points in the United States of America, and by shipment from points in the United States of America, from the international boundary to points in the Province of Ontario".

Ryerse Bus Lines Limited, 21965-F
R.R. #3,
Port Dover, Ontario N0A 1N0,

applies for an extension to public vehicle operating licence No. PV-2391, as follows:

Delete:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from the City of Nanticoke and the Town of Simcoe.

PROVIDED the licensee is restricted to the use of school-type buses with rigid back seats".

Substitute:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from Nanticoke and the Town of Simcoe".

Merrymaker Tours, Inc., 36662
21 Patio Lane,
Cleveland, Ohio,
44138 U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons from points in the United States of America, from the international boundary to points in Ontario and from such points on the same chartered trip, without pick-up or discharge of passengers in Ontario, to point of origin.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC-169687, dated November 8, 1983, filed with the Ontario Highway Transport Board".

Roadex Transport Ltd., **34701-H**
24 Jellicoe Crescent,
Brampton, Ontario L6S 3H8,

applies for an extra-provincial operating licence, as follows:

"For the carriage of goods for Sentry Door & Frame Corporation, Ontario Dye Casting Ltd., Maplex Dimensional Wood Products Limited and Season-All Inc., from Points in the Province of Ontario, to the international boundary for furtherance to points in the United States of America and by shipment from points in the United States of America, from the international boundary to points in the Province of Ontario";

34701-J

also applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of goods to or from the installations of Ontario Dye Casting Ltd., in the City of Barrie and Maplex Dimensional Wood Products Limited, in Vaughan".

James Michael Regan, **36679**
o/a Regan Coach Lines,
R.R. #6,
Kingston, Ontario K7L 4V3,

applies for an extra-provincial operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from points in the Townships of Kingston, Pittsburgh and the City of Kingston to:

- (a) the Ontario-Quebec border for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland;
- (b) the Ontario-Manitoba border, for furtherance to points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia and the Northwest and Yukon Territories;
- (c) the international boundary, for furtherance to points in the United States of America;

and from such points on the same chartered trip, without pick-up or discharge of passengers to point of origin.

PROVIDED the licensee be restricted to one Class 'A' public vehicle only as defined in paragraph (a) and (i) of subsection (1) of Section 9 of Regulation 888 under the *Public Vehicles Act*, R.S.O. 1980, Chapter 425";

36679-A

also applies for a public vehicle operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from points in the Townships of Kingston, Pittsburgh and the City of Kingston.

PROVIDED the licensee be restricted to one Class 'A' public vehicle only as defined in paragraphs (a) and (i) of subsection (1) of Section 9 of Regulation 888 under the *Public Vehicles Act*, R.S.O. 1980, Chapter 425";

Economy Moving & Storage
(1974) Ltd., **33198-A**
6313 Wagner Road,
Edmonton, Alberta T6E 4N4,

applies for an extension to extra-provincial operating licence No. X-2904, as follows:

Delete the following:

"AND PROVIDED FURTHER that any extra-provincial operating licence issued pursuant to this certificate shall expire on the 1st day of May, 1984, unless prior to that date complementary authorities as issued by the Boards and/or Commissions of the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland and the Northwest and Yukon Territories are filed with the Ontario Highway Transport Board".

And substitute therefor:

"AND PROVIDED FURTHER that any extra-provincial operating licence issued pursuant to this certificate shall expire on the 1st day of May, 1985, unless prior to that date complementary authority as issued by the Quebec Transport Commission, is filed with the Ontario Highway Transport Board".

Algonquin Associates, Inc., **36665**
P.O. Box 115,
Long Branch, New Jersey,
07740 U.S.A.,

applies for an extension to extra-provincial operating licence, as follows:

"For the carriage of horses and ancillary stable supplies and equipment used in the care of said horses and personal effects of the horse handlers and exhibitors by shipment from Buffalo, in the State of New York from the international boundary to Metropolitan Toronto and from Metropolitan Toronto to the international boundary to Buffalo, in the State of New York.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC 113297 Sub 2,

dated November 4, 1981, filed with the Ontario Highway Transport Board".

Thomas Norris Limited, 23974-N
252 William Street,
Warton, Ontario N0H 2T0,

applies for an extension to extra-provincial operating licence No. X-603, as follows:

Delete the present terms and substitute therefor the following:

"For the carriage of passengers on a chartered trip not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons from all points, in that portion of Ontario on and north of King's Highway No. 21 between Port Elgin and Owen Sound and King's Highway No. 26 between Owen Sound and Meaford (all in the Counties of Bruce and Grey) to:

1. the Ontario-Quebec border for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland;
2. the Ontario-Manitoba border at or near West Hawk Lake for furtherance to points in the Provinces of Manitoba, Saskatchewan, Alberta, and British Columbia and the Northwest and Yukon Territories; and
3. the international boundary,
 - (a) for furtherance to points in the United States of America,
 - (b) in transit through the United States of America to Provinces and Territories of Canada;

and for the return to points of origin";

23974-O

also applies for an extension to public vehicle operating licence No. PV-2087, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons from and between points in that portion of Ontario on and north of King's Highway No. 21 from Port Elgin to Owen Sound and on or north of King's Highway No. 26 between Owen Sound and Meaford (all in the Counties of Bruce and Grey) to points in Ontario and for return to points of origin".

Hamilton Trucking Limited, 26900-M
400 Gage Avenue North,
Hamilton, Ontario L8L 7B2,

applies for a Class 'A' public commercial vehicle operating licence, as follows:

"For the carriage of goods:

1. between the City of Hamilton, Dundas, Ancaster, Stoney Creek and Burlington;

PROVIDED that no transfer of goods be allowed under this operating authority:

2. between Metropolitan Toronto, Mississauga, Brampton, Markham, Vaughan, Ajax and Pickering.

CLASS 'D' PRIVILEGES:

A. For the carriage of goods:

1. being the goods of one consignor, as directed by Canada Steamship Lines from the docks at the City of Hamilton to the docks at Mississauga.

PROVIDED that the goods so carried have an immediate subsequent movement by boat and the consignment is the balance of a shipment, partially loaded on the same boat at the City of Hamilton.

2. being the carriage of one person's goods at a time and only on tractor-trailer combination vehicles for Procor Limited and Ecodyne Limited from their installation at Oakville to points in the County of Wellington and the Regional Municipalities of York, Peel, Halton, Waterloo, Durham, and Hamilton-Wentworth; and from points in the said Counties and Regional Municipalities to the said installation at Oakville.
3. for Kaiser Refractories Company, a Division of Kaiser Aluminum and Chemical Canada Limited, from its installations in Oakville to the City of Hamilton.

PROVIDED that all operations in respect of Procor Limited and Ecodyne Limited be restricted;

1. against the use of low bed float equipment.
2. against the carriage of steel tanks that are either knocked down or assembled, on vehicles equipped with cranes, from the installation of Procor Limited and Ecodyne Limited at Oakville to job sites.

B. For the carriage of steel for Newman Steel Warehouse Limited:

- (a) from suppliers of the corporation and the customers of the corporation located in the Municipality of Metropolitan Toronto, the Regional Municipalities of York, Niagara, Waterloo, Haldimand-Norfolk, Hamilton-Wentworth, Halton, Durham, and Peel, the Counties of Oxford, Wellington and Brant when such steel is moving to or from the installations at Newman Steel Warehouse Limited at Stoney Creek and/or Oakville and the Waster Steel Division, Oakdale Avenue plant, in St. Catharines and the return of damaged or rejected steel to such suppliers or from such customers;
- (b) between its installations in Stoney Creek, Oakville and St. Catharines.

PROVIDED there be no movement of steel from the installations of the Page Hersey Works of the Steel Company of Canada Limited, in Welland".

Tyler Transport Limited, 05591-A28
379 Queen Street East,
Acton, Ontario L7J 2M6,

applies for an extension to extra-provincial operating licence No. X-248, as follows:

"For the carriage of rough or dressed lumber, laminated lumber, plywood, particleboard, waferboard, fibreboard and veneer, from points in Ontario to the international boundary at the Detroit, St. Clair, Niagara and St. Lawrence Rivers, for furtherance to points in the United States of America and by shipment from points in the United States of America from the international boundary at the aforementioned rivers to points in Ontario.

PROVIDED that any extension to extra-provincial operating licence X-248 issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC-129874 Sub. 5, dated December 14, 1982, filed with the Ontario Highway Transport Board".

International Transport, Inc., 05603-L
2450 Marion Road South East,
Rochester, Minnesota
55903 U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of tractors, construction or earth moving machinery, loaders, excavators and attachments, parts or components related thereto also material, equipment and supplies, used in the manufacture of any of the above products for Caterpillar Tractor Co., or Caterpillar Canada Ltd., from the installations of Caterpillar Canada Ltd., at Brampton or at Mississauga to the international boundary for furtherance to points in the United States of America and by shipment from points in the United States of America from the international boundary to the installations of Caterpillar Canada Ltd. at Brampton or at Mississauga.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by No. MC 113855, Sub. 524F, dated September 18, 1981 filed with the Ontario Highway Transport Board".

Bruce R. Smith Limited, 10508-Y
R.R. #2,
Simcoe, Ontario N3Y 4K1,

applies for an extra-provincial operating licence, as follows:

"For the carriage of goods for Canada Wire and Cable Limited, from its installation in the Town of Simcoe to the international boundary at the Detroit, St. Clair and Niagara Rivers for furtherance to points in the United States of America and by shipment from points in the United States of America from the Detroit, St. Clair and Niagara Rivers to the installation of said company in Simcoe".

Lloyd Hurst Transport Ltd., 34216-D
R.R. #2,
Atwood, Ontario N0G 1B0,

applies for an extra-provincial operating licence, as follows:

"For the carriage of hogs for the Ontario Pork Producer's Marketing Board from its marketing yards at

Milverton and Blyth to the international boundary at Niagara, St. Clair and Detroit Rivers for furtherance to points in the United States of America".

Fla-Tex, Inc. 36728
2705 Gage North,
Pharr, Texas 78577,
U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of goods, between points in the Province of Quebec on the one hand and points in the United States of America on the other hand, in transit only through the Province of Ontario, with no pick-up or discharge privileges in the Province of Ontario to or from the Ontario-Quebec border and to or from the international boundary.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority of the Quebec Transport Commission No. 3-M-306003 104-D dated February 3, 1984 and the Interstate Commerce Commission No. MC-159639 Sub 3 dated May 4, 1983 on file with the Ontario Highway Transport Board".

Trans-Provincial Freight
Carriers Limited, 00380-A45
1419 Trunk Road,
R.R. #4,
Sault Ste. Marie, Ontario
P6A 5K9,

applies for an extension to Class 'A' public commercial vehicle operating licence No. A-407, as follows:

Delete the following:

"ROUTE 8—

For the carriage of goods between the City of Sudbury and points on the following rural highways:

- (a) King's Highways Nos. 69 and 545 situate between the City of Sudbury and a place known as Milnet;
- (b) King's Highways Nos. 144 and 544 situate between the City of Sudbury and a place known as Levack;
- (c) King's Highway Nos. 541 and 541A situate between the City of Sudbury and Wanapitei Lake;
- (d) King's Highway No. 536 situate between King's Highway No. 17 and a place known as Creighton;
- (e) King's Highway Nos. 658 and 658A situate between King's Highway No. 17 and Fairbanks Lake;
- (f) Agnew Lake Roads situate between King's Highway No. 17 and Agnew Lake;
- (g) Nepewassi Lake Road situate between King's Highway No. 69 and Nepewassi Lake;
- (h) Burwash Road situate between King's Highway No. 69 and a place known as Burwash;
- (i) that road between Onaping Lake and the junction of King's Highways Nos. 544 and 144;

- (j) King's Highway No. 806 between its intersection with King's Highway No. 545 and a place known as Sellwood, in the Township of Hutton;
- (k) King's Highway No. 543 and that road that parallels the south shore of Long Lake, in the Township of Broder;
- (l) King's Highway No. 537;
- (m) King's Highway No. 634; between King's Highway No. 69 and King's Highway No. 144;
- (n) that road that parallels Side Road No. 2 and Concession Road No. 3, in the Township of Rayside, between a place known as Azilda and King's Highway No. 144.

PROVIDED there be no pick-up or discharge of goods on King's Highway No. 17 and that portion of King's Highway No. 69 situate between the City of Sudbury and its intersection with Burwash Road.

PROVIDED FURTHER there be no transfer of goods to or from any other carrier under this portion of the licence. (Route No. 8).

AND PROVIDED FURTHER with respect to Route 8 the licensee shall not pick up or deliver goods in or on trailers to or from points on Route No. 9 if the goods of any one shipper or receiver exceeds 25,000 pounds in weight.

ROUTE 9—

For use of King's Highways Nos. 400, 12 and 103 as an alternate route with no additional rights of pick-up or discharge thereon".

And Substitute the following:

"ROUTE 8—

For the carriage of goods between,

- (a) points in the Regional Municipality of Sudbury;
- (b) the Regional Municipality of Sudbury and the City of Timmins via King's Highway No. 144 and 101;

ROUTE 9—

For the use of King's Highway Nos. 400, 11 or 12 as alternate routes with no additional rights of pick-up or discharge thereon".

Gerry Lavigne Limited, 00216-O
P.O. Box 8482,
1475 Caledon Avenue,
Ottawa, Ontario K1G 3H9,

applies for an extension to extra-provincial operating licence No. X-2982, as follows:

"For the carriage of goods, for and on behalf of Canadian Pacific Limited, C.P. Rail Intermodal Services division, when such goods are moving in trailers under the direction of C.P. Rail Intermodal Services division of Canadian Pacific Limited,

- (a) from rail ramps of Canadian Pacific Limited at the City of Ottawa or the Separated Town of Smiths Falls, to the Ontario-Quebec border at the Ottawa River for furtherance to points in the Province of Quebec as authorized;
- (b) from points in the Province of Quebec as authorized, from the Ontario-Quebec border at

the Ottawa River, to the rail ramps of Canadian Pacific Limited at the City of Ottawa or the Separated Town of Smiths Falls".

R.H. Rediker Transport Ltd., 09523-F
104 Main Street,
P.O. Box 30,
Beebe, Quebec J0B 1E0,

applies for an extension to extra-provincial operating licence No. X-2278, as follows:

- "1. For the carriage of goods for Titan Foundry Ltd. and Wotherspoon Foundry Ltd. from their installations in Oakville to the Ontario-Quebec border for furtherance to Montreal, Quebec City and Three Rivers, in the Province of Quebec, and for the return of rejected shipments;
2. For the carriage of goods for Titan Foundry Ltd. and Wotherspoon Foundry Ltd. from their installations in Oakville to the Ontario-Quebec border in transit through the Province of Quebec for furtherance to points in the Provinces of Newfoundland, New Brunswick, Prince Edward Island and Nova Scotia and for the return of rejected shipments;
3. For the carriage of goods for Titan Foundry Ltd. and Wotherspoon Foundry Ltd. from their installations in Oakville to the international boundary for furtherance to points in the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut and New York and for the return of rejected shipments;
4. For the carriage of goods for Titan Foundry Ltd. and Wotherspoon Foundry Ltd. from their installations in Oakville to the Ontario-Quebec border in transit through the Province of Quebec for furtherance to points in the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut and New York and for the return of rejected shipments.

09523-G

also applies for a Class 'D' public commercial vehicle operating licence, as follows:

1. For the carriage of cast iron pipe and fittings for Titan Foundry Ltd. and Wotherspoon Foundry Ltd. from their installations in Oakville and for the return of rejected shipments;
2. For the carriage of rough and finished granite, stone, marble, slate and machinery, tools and supplies used in the manufacturing and quarrying of granite, marble, stone and slate".

Truckit Transport Inc., 33812-N
Highway 34 South,
P.O. Box 220,
Alexandria, Ontario K0C 1A0,

applies for an extension to extra-provincial operating licence No. X-2929, as follows:

"For the carriage of goods for C.I.P. Inc. by shipment from points in the Province of Quebec, from the Ontario-Quebec border at Riviere Beaudette, Pointe-Fortune and Ottawa-Hull, to points in Ontario and for the return of rejected shipments".

also applies for an extension to extra-provincial operating licence No. X-2929, as follows:

“For the carriage of goods for Cascades (East Angus) Inc., by shipment from points in the Province of Quebec from the Ontario-Quebec border to points in Ontario and for the return of rejected shipments”.

W. Brennan Haulage Limited, 35004-D
P.O. Box 67,
Erin, Ontario N0B 1T0,

applies for the transfer of Class ‘R’ public commercial vehicle operating licence No. R-7119 now in the name of Wayne Shaw Haulage Limited, 15 Morgandale Crescent, Orangeville, Ontario L9W 3C6.

Robert A. Moffat, 36682
135 Hemlock Street,
Bolton, Ontario L0P 1A0,

applies for the transfer of Class ‘R’ public commercial vehicle operating licence No. R-5359 now in the name of Milford Moffatt (deceased), Robert Moffatt and Wallace Moffatt, 159 Victoria Street, Bolton, Ontario.

Esly Holmes Enterprises Inc., 36746
Box 302,
Caledon East, Ontario L0N 1E0,

applies for the transfers of extra-provincial operating licence No. X-2944 now in the name of Esly Holmes, R.R. #5, Orangeville, Ontario L9W 2Z2.

Shantz Coach Lines Limited, 20887-J
R.R. #21,
Cambridge, Ontario N3C 2V3,

applies for the transfer of public vehicle (school bus) operating licence No. PVS-7127 now in the name of Joan Lokker, R.R. #32, Cambridge (P), Ontario N3H 4R7.

567723 Ontario Limited, 36618
117 St. Lucie Drive,
Weston, Ontario M9M 1T4,

applies for the transfer of Class ‘R’ public commercial vehicle operating licence No. R-1012 now in the name of Rocco Buono, 117 St. Lucie Drive, Weston, Ontario N9M 1T4,

also applies for the transfer of Class ‘R’ public commercial vehicle operating licence No. R-8029 now in the name of Vittorio Fusco, 25 Strong Court, Apt. 712, Downsview, Ontario N3W 1P1.

Mervin H. Page, 36574
R.R. #2,
Bracebridge, Ontario P0B 1C0,

applies for transfer of Class ‘R’ public commercial vehicle operating licence No. 8352 now in the name of Bert French & Son Limited, R.R. #1, Port Sydney, Ontario P0B 1L0.

C. I. DAVILA, (MRS.),
(4584) 17 Secretary.

Government Notices Respecting
Corporations
Certificates of Incorporation

NOTICE IS HEREBY GIVEN that a certificate of incorporation under the *Business Corporations Act*, has been endorsed.

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
A. B. S. SALES LIMITED	581979	April 3, 1984	Downsview
AASKI MANAGEMENT INCORPORATED	582499	April 2, 1984	Toronto
ALERT MEDICAL DISTRIBUTIONS INC.	582788	April 5, 1984	Hamilton
ALJA ENERGY MANAGEMENT SYSTEMS LTD.	582643	April 3, 1984	Mississauga
ALL WORLD EVENTS PRODUCTIONS INC. ..	582705	April 4, 1984	Toronto
ALTONA GRAPHICS LTD.	582508	April 2, 1984	Scarborough
AMITY GIRLS HOME INC.	581910	Mar. 29, 1984	Kitchener
AMLON HOMES (ETOBICOKE) INC.	582786	April 5, 1984	Downsview
ARBATEX IMPORTS INC.	582487	Mar. 30, 1984	Thornhill
ARDECO CONSTRUCTION LIMITED	582577	April 3, 1984	Toronto
ATNQ SOFTSYSTEMS INC.	582676	April 4, 1984	Toronto
B & R BELLOMO CONSTRUCTION LIMITED	582532	April 2, 1984	Weston
B. H. COMPUTER SERVICES INC.	582510	April 2, 1984	Rexdale
B. VACCARI CONSTRUCTION (1984) LIMITED	582863	April 6, 1984	Welland
B.A.E.M. BUILDING AUTOMATION & ENERGY MANAGEMENT LTD.	582669	April 3, 1984	Mississauga

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
B.P. ZEN CONSTRUCTION LIMITED	582537	April 2, 1984	Toronto
BALARK MICROGRAPHICS INCORPORATED	581928	Mar. 29, 1984	Brantford
BANLUC INVESTMENTS LTD.	582667	April 3, 1984	Thunder Bay
BARWELL FOOD SALES INC.	582891	April 6, 1984	Mississauga
BASTION INVESTMENTS LIMITED	582745	April 4, 1984	Mississauga
BAYRICH INC.	582457	April 2, 1984	Toronto
BBD ELECTRONICS INC.	582610	April 3, 1984	Mississauga
BEL-AIR EXCAVATING & GRADING LTD. ...	581953	April 2, 1984	Cambridge
BELLECRAFT CARPENTRY CO. LTD.	582558	April 2, 1984	Stoney Creek
BEN'S ROOFING LTD.	582797	April 5, 1984	Willowdale
BENDER MASONRY CONSTRUCTION LTD. .	582748	April 4, 1984	Durham
BEWT METAL RECOVERY SYSTEMS LIMITED	582869	April 6, 1984	Bowmanville
BHN FOOD PRODUCTS LIMITED	582521	April 2, 1984	Mississauga
BICYCLE INVESTMENTS LIMITED	582535	April 2, 1984	Willowdale
BIG IDEA GROUP INC.	582837	April 5, 1984	Scarborough
BIZZI KNIT INC.	582671	April 3, 1984	Downsview
BRASSY'S HARBOUR INN INC.	582672	April 3, 1984	Windsor
BRAT INVESTMENTS INC.	582564	April 2, 1984	Toronto
BREN-KER HOLDINGS LIMITED	571487	April 5, 1984	London
BRENNAN CONSTRUCTION LTD.	582818	April 5, 1984	Belleville
BURNAN ENTERPRISES INC.	582623	April 3, 1984	Islington
C. ANN FISCH CATERING LTD.	582592	April 3, 1984	North York
CALROB SALES LIMITED	582720	April 4, 1984	Willowdale
CAN-GOLF N'CAR LEASING INC.	582738	April 4, 1984	Toronto
CAN-SAM INVESTMENTS LIMITED	582617	April 3, 1984	Mississauga
CANADA FINEBLANKING CORPORATION ..	582746	April 4, 1984	Toronto
CANADIAN CAP PROMOTIONS INC.	582687	April 4, 1984	Toronto
CANADIAN SLEEVER INC.	582593	April 3, 1984	Mississauga
CANHEALTH CARE INC.	582708	April 4, 1984	Toronto
CANPRO INC.	582624	April 3, 1984	Scarborough
CARLETON FENCING LIMITED	561704	April 4, 1984	Ottawa
CASTELINO INVESTMENT INC.	582908	April 6, 1984	Downsview
CATASTROPHE MGMT. INC.	571463	April 2, 1984	London
CECIL RICHARDSON INSURANCE BROKERS INC.	571476	April 4, 1984	Woodstock
CENTRAL ONTARIO FURNITURE MARKET CORP.	582689	April 4, 1984	Kitchener
CHALLENGE SHOE MANUFACTURING CO. LTD.	582700	April 4, 1984	Downsview
CHARETTE WOODWORKING LTD.	582584	April 3, 1984	Acton
CHEMBROOK TRADE CONSULTANTS LIMITED	582249	Mar. 28, 1984	Don Mills
CHRISTOPHER BROWN HOLDINGS LIMITED	582513	April 2, 1984	Mississauga
CITY TILE INC.	582715	April 4, 1984	Toronto
COABCO INC.	582495	April 2, 1984	Toronto
COBRA MACHINE TOOL CO. INC.	538716	Mar. 8, 1984	Windsor
CODEPRO INC.	582812	April 5, 1984	Toronto
COLBARR PLASTICS LTD.	580919	Mar. 29, 1984	Waterloo
COMP-TEC GRAPHICS INCORPORATED	582534	April 2, 1984	Toronto
CONMARK HOMES LIMITED	582860	April 6, 1984	Weston
CONSUMERS FURNITURE DISTRIBUTING (SUDBURY) LTD.	510563	April 4, 1984	Val Caron
CONTRA/ENTROPY COMPANY LTD.	582550	April 2, 1984	Weston
CORSANA INSURANCE SERVICES LTD.	582586	April 3, 1984	Unionville
COURTNEY ROOFING LTD.	571473	April 3, 1984	London
COVENANT CARPENTRY AND DESIGN LTD.	582792	April 5, 1984	Toronto
CRYDERMAN INSURANCE BROKERS LTD. .	581955	April 3, 1984	Thamesville
CSCM ASSOCIATES INC.	582884	April 6, 1984	Toronto
D. B. STARR CAR CARE & AUTO SALES INC.	579785	April 5, 1984	Burlington

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
DALA ECONOMICS INC	581976	April 3, 1984	Guelph
DANIEL & SOLOMON FOODS LIMITED	582795	April 5, 1984	Mississauga
DANOR HOLDINGS LIMITED	582861	April 6, 1984	North York
DAROME CONNECTION TORONTO LIMITED	582825	April 5, 1984	Toronto
DAVE STEINMETZ FARMS LIMITED	582578	April 3, 1984	Harley
DAY CARTAGE (1984) LIMITED	582519	April 2, 1984	Richmond Hill
DAYKIN ENGINEERED PRODUCTS LTD	582677	April 4, 1984	Alton
DEL DUCA MANAGEMENT INCORPORATED	538757	April 4, 1984	Windsor
DEL RIA CONTRACTORS (1984) LIMITED	582642	April 3, 1984	Toronto
DERAN HOMES INCORPORATED	561710	April 5, 1984	Ottawa
DESKTOP COMPUTER GUELPH INC.	582736	April 4, 1984	Guelph
DI MARIA CITY FOOD LIMITED	580961	April 4, 1984	Toronto
DIGITAL ARTS INC.	582601	April 3, 1984	Toronto
DILLON COVE MARINA AND RESORT INC. .	581950	Mar. 30, 1984	Nobel
DON KOCHER CONSTRUCTION LTD.	571460	Mar. 30, 1984	Gadshill
DOR-WAY INDUSTRIES LIMITED	582868	April 6, 1984	Mississauga
DOUG'S TRUCK & AUTOMOTIVE LTD.	561707	April 4, 1984	Manotick
DUBOIS MASONRY LIMITED	582744	April 4, 1984	Paris
DUNDAS MUSIC INC.	581974	April 4, 1984	Dundas
DUTERON HOLDINGS LIMITED	582626	April 3, 1984	Erin
E.C. SYSTEMS INC.	571485	April 5, 1984	Hamilton
EASTERN SEAWAY INDUSTRIES LIMITED ..	581947	Mar. 30, 1984	Cornwall
EBCORE CONTRACTING & DESIGN LTD.	582699	April 4, 1984	Toronto
EDWARD P. VIERSEN ENTERPRISES LIMITED	581890	Mar. 28, 1984	Ancaster
EISEN-SPYROU PAINTING & DECORATING LTD.	582661	April 3, 1984	Hamilton
ELJIAN INVESTMENTS INC.	582681	April 4, 1984	Willowdale
ELLE BITTON DIAMONDS CORPORATION ..	582530	April 2, 1984	Willowdale
ENTERPRISE SYSTEMS OF CANADA INC.	582722	April 4, 1984	Toronto
ERA HOME IMPROVEMENTS LIMITED	582794	April 5, 1984	Toronto
ESKIMO VISIONS INC.	582493	April 2, 1984	Agincourt
ETF ENTERPRISES INC.	582731	April 4, 1984	Toronto
ETON RISE ENTERPRISES LIMITED	582526	April 2, 1984	Toronto
EURAM PHARMACEUTICAL LABORATORIES LTD.	582608	April 3, 1984	Markham
FABIC ELECTRONIC AND ELECTRIC SERVICE INC.	582889	April 6, 1984	Port Credit
FANTASM INDUSTRIES INC.	582648	April 3, 1984	Scarborough
FAROS ELECTRIC LTD.	582907	April 6, 1984	Scarborough
FERNLEA FLOWERS (1984) LIMITED	581845	April 3, 1984	Delhi
FERNSIDE FARMS LTD.	582555	April 2, 1984	Toronto
FOREST HILL CHAUFFEURS INC.	582548	April 2, 1984	Toronto
FORREC CONSTRUCTION LTD.	582569	April 2, 1984	Don Mills
FOUR BROS. LIMITED	582497	April 2, 1984	Willowdale
FOURKINDER INVESTMENTS LTD.	582590	April 3, 1984	Mississauga
FRANCINE DEVELOPMENTS LTD.	582500	April 2, 1984	Toronto
FREDERICK-THOMAS INNOVATIONS AND INSTALLATIONS INC.	582588	April 3, 1984	Toronto
FRYSTON CANADA INC.	582265	April 1, 1984	Rexdale
G.H. SOUSA HOLDINGS INC.	582505	April 2, 1984	Scarborough
G.R.Q. MARKETING LTD.	581927	Mar. 30, 1984	Don Mills
GENIE LEARNING SYSTEMS INC.	582600	April 3, 1984	Toronto
GETAWAY LADIES CLOTHIERS LTD.	581930	Mar. 30, 1984	Oakville
GLASS SOLUTION COMPANY LIMITED	582688	April 4, 1984	Weston
GLENN SCHNURR FARMS LTD.	582484	Mar. 30, 1984	Mildmay
GLENNCO OFFICE PRODUCTS LTD.	582856	April 6, 1984	Scarborough
GNOSIS MEDICAL SYSTEMS (CANADA) INC.	582850	April 6, 1984	Toronto
GOLD PARK ESTATES LTD.	581912	Mar. 29, 1984	Woodbridge
GOLDCASTLE DEVELOPMENTS INC.	582533	April 2, 1984	Sudbury
GOLDS SHOE SERVICE LTD.	581951	Mar. 30, 1984	Barrie

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
GORIMPEX MARKETING INC.	582790	April 5, 1984	London
GRAND ROYAL PAVING AND CONSTRUCTION LIMITED	582549	April 2, 1984	Toronto
GRAY-ROSS INC.	582579	April 3, 1984	Islington
GREENBUSH MINERALS LIMITED	582694	April 4, 1984	Toronto
GREENOCK LANDSCAPING INC.	582545	April 2, 1984	Mississauga
GREWAL INTERNATIONAL T-SHIRT SET INC.	571464	April 2, 1984	Woodstock
GUILD MANOR INTERIORS INC.	582728	April 4, 1984	Toronto
GUY & SHARON CHEVALIER TRUCKING INC.	580957	April 2, 1984	Niagara Falls
HABITAT PLUMBING LTD	582771	April 5, 1984	Kleinburg
HAIR 421 INC.	581859	April 5, 1984	Toronto
HAJICOSTI ENTERPRISES LTD.	582905	April 6, 1984	Bolton
HARDY HOLDINGS LIMITED	571470	April 3, 1984	Melbourne
HARRINGTON COURT DINING ROOM INC. .	539317	Mar. 30, 1984	Thunder Bay
HARROWBY COMMUNICATIONS INC.	582890	April 6, 1984	Islington
HART INTERNATIONAL MARKETING SERVICES LTD.	582662	April 3, 1984	Toronto
HARVEY'S HOME RENOVATIONS LTD.	582665	April 3, 1984	Brampton
HERITAGE CONSTRUCTION (LAMBTON) INC.	582574	April 2, 1984	Sarnia
HERITAGE FINANCIAL PLANNING LIMITED	582554	April 2, 1984	Toronto
HOEK PRESS LIMITED	582589	April 3, 1984	Port Credit
HOME PERSONNEL INC.	571466	April 2, 1984	London
HORAS INVESTMENTS (KINGSTON) LTD. ...	548190	April 3, 1984	Kingston
HUGH COLTON ENTERPRISES LIMITED	548189	April 2, 1984	Kingston
HY-PACK SYSTEMS INC.	582716	April 4, 1984	Mississauga
ICS INTEGRATED COMPUTER SYSTEMS LTD.	582833	April 5, 1984	Thornhill
IMPERIAL EAGLE INVESTMENT CORP.	582529	April 2, 1984	Toronto
INDEPENDENT RETAIL INVENTORY SPECIALISTS COMPANY LTD	582690	April 4, 1984	Scarborough
INTER-TRUST FINANCIAL CORP.	582496	April 2, 1984	Niagara Falls
INTERNATIONAL QUEST PERSONNEL CONSULTANTS (KITCHENER) INC.	571455	Mar. 30, 1984	London
INTERNATIONAL THOROUGHbred DIGEST LIMITED	582494	April 2, 1984	North York
J & B CUSTOMS BROKERS LTD.	582832	April 5, 1984	Toronto
J. BOUDREAU HAULAGE LTD.	583004	April 4, 1984	Ajax
J. T. STEWART GENERAL CONTRACTING LTD.	582594	April 3, 1984	Agincourt
JACJAY LIMITED	582707	April 4, 1984	Toronto
JADAN'S ORTHOPEDIC SHOES LIMITED	561697	Mar. 30, 1984	Ottawa
JANISS & ROZE INTERNATIONAL INC.	582522	April 2, 1984	Toronto
JAYWAR CREATIVE SERVICES INC.	582675	April 4, 1984	Toronto
JENTIN INVESTMENTS INC.	582772	April 5, 1984	Toronto
JERRLARK HOLDINGS LIMITED	582619	April 3, 1984	Toronto
JERRY ISCOVE INSURANCE AGENCIES LTD	582638	April 3, 1984	North York
JESS AUTO PARTS INC.	581815	April 5, 1984	Hamilton
JJCMM INVESTMENTS LIMITED	548191	April 3, 1984	Kingston
JOHN F. HORE ENTERPRISES INC.	538760	April 5, 1984	Kitchener
JORVAN MARKETING LTD.	582655	April 3, 1984	Scarborough
K. W. M. CONSTRUCTION, LTD.	581817	April 6, 1984	Kitchener
KAJU ENTERPRISES INC.	582587	April 3, 1984	Toronto
KANATA SQUARE LIMITED	561703	April 2, 1984	Ottawa
KEN TIMSON AUTO BODY LTD.	582492	Mar. 30, 1984	Caledonia
KENRON ENTERPRISES INC.	582827	April 5, 1984	Scarborough
KING EQUIPMENT & BEVERAGE SALES INC.	571475	April 3, 1984	London
KOLAPORE INCORPORATED	582853	April 6, 1984	Guelph

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
KOUNTRY KLUB MEN'S WEAR INC.	581978	April 3, 1984	Bolton
KPBA LTD.	582542	April 2, 1984	Toronto
L & F MEATS INC.	581957	April 2, 1984	Brantford
L. VIT PLUMBING INC.	582536	April 2, 1984	Mississauga
L.C. INVESTMENTS LIMITED	582815	April 5, 1984	Willowdale
LAFITE REALTY INC.	582727	April 4, 1984	Toronto
LAKE TIRE INC.	581916	Mar. 28, 1984	North Bay
LAKFIELD-MIDDER INC.	581911	Mar. 29, 1984	Barrie
LARRY BOWEN ENTERPRISES LTD.	581895	Mar. 28, 1984	Bowmanville
LAYETTES...WITH LOVE INC.	582849	April 6, 1984	Mississauga
LEADING EDGE GAMES LTD.	582670	April 3, 1984	Orillia
LEEPESKIN LIMITED	581831	April 2, 1984	Barrie
LENGUA INVESTMENTS INC.	582878	April 6, 1984	Toronto
LEWIS PEARSALL ASSOCIATES INCORPORATED	582883	April 6, 1984	Toronto
LIAMER INVESTMENTS LIMITED	582820	April 5, 1984	Toronto
LOCAL DAIRY PRODUCTS LIMITED	582000	April 4, 1984	Kitchener
LONDON COLONIAL LTD.	571457	Mar. 30, 1984	London
LONDON FIBERGLASS LIMITED	571462	April 2, 1984	London
LONDON TRUCK PARTS INC.	571451	Mar. 30, 1984	London
LORNE DAIGLE PHOTOGRAPHY INC.	582629	April 3, 1984	Toronto
LOU KIENLE REPAIR & CONSTRUCTION LIMITED	564128	Mar. 27, 1984	Roseneath
LUND-HURST FOREST PRODUCTS INC.	548187	April 2, 1984	Newmarket
M & G INDUSTRIES LTD	582888	April 6, 1984	Ajax
MANDARIN INN LIMITED	582821	April 5, 1984	Brantford
MANUEL DASILVA FOODS LTD.	582599	April 3, 1984	Etobicoke
MAPLE LEAF IMPORTING CO. (WINDSOR) LTD.	538758	April 4, 1984	Windsor
MAR CO. WOODWORK INC.	582697	April 4, 1984	Bainsville
MARQUEE HOMES INC.	582806	April 5, 1984	Mississauga
MARTIN'S PIANO & ORGAN CENTRE INC. ..	583005	April 4, 1984	Barrie
MAVRIDIS & SONS LIMITED	582693	April 4, 1984	Toronto
MAVRIDIS BROS. DELUXE FURS LIMITED ..	582692	April 4, 1984	Toronto
MAYHEW & HEATLEY INVESTMENTS INC. .	582627	April 3, 1984	Aurora
MAYNARD AND HOLMES AUTO BODY LTD.	581969	April 3, 1984	Dresden
MAZZOCCA ENTERPRISES COMPANY LTD. .	582650	April 3, 1984	Downsview
MCCLELLAND'S WEST END STORE LIMITED	582615	April 3, 1984	Niagara-on-the-Lake
MCLAREN PRESS LIMITED	582630	April 3, 1984	Toronto
MCLEANCO REALTY SERVICES LIMITED ...	582656	April 3, 1984	Toronto
MCWHEATON CONSTRUCTION LIMITED ...	582680	April 4, 1984	Milton
MEDICAL 2000 LTD.	582691	April 4, 1984	Concord
MENARD'S WALL UNIT FACTORY LTD.	561711	April 5, 1984	Nepean
MERIS INVESTMENTS LTD.	582739	April 4, 1984	Toronto
MID-WEST INFRA-RED MANUFACTURING LTD.	580974	Mar. 29, 1984	Wroxeter
MIDDLETON GRAPHICS LTD.	582749	April 4, 1984	Peterborough
MILLBANK TRUCK LEASING LTD.	582560	April 2, 1984	Listowel
MIRZA BAIG & ASSOCIATES INSURANCE BROKERS INC.	582866	April 6, 1984	Toronto
MISTYK MECHANICAL SERVICES LTD.	582831	April 5, 1984	Mississauga
MONA LISA GARDENS LTD.	581897	Mar. 28, 1984	Fenwick
MONA REGAN ENTERPRISES INC.	582725	April 4, 1984	Markham
MOOS PUBLISHING LIMITED	582800	April 5, 1984	Toronto
MORRLARK HOLDINGS LIMITED	582621	April 3, 1984	Toronto
MR. REIDS MARKETING LTD.	582612	April 3, 1984	Scarborough
MUNDAY SHOES INC.	581856	April 5, 1984	Oakville
MURR-JO INVESTMENTS LTD.	582714	April 4, 1984	Toronto
MUSKOKA MICROLIGHTS INC.	582628	April 3, 1984	Mississauga
MYRLOU HOLDINGS INCORPORATED	582877	April 6, 1984	Toronto
NAKAMURA PHARMACY HOLDINGS LTD. ..	571482	April 5, 1984	Goderich

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
NANA INC.	582743	April 4, 1984	Toronto
NANCY SHANOFF & ASSOCIATES LTD.	582799	April 5, 1984	Toronto
NEIGHBOURHOOD PLUMBING CENTER LTD.	582752	April 4, 1984	Mississauga
NEIL PLOTKIN ENTERPRISES INC.	582660	April 3, 1984	Hamilton
NEUTRON COMPUTERS INC.	581924	Mar. 30, 1984	Guelph
NEW-FORM TOOLS LTD.	571465	April 2, 1984	Milverton
NEWBRUN RESOURCES LTD.	582793	April 5, 1984	Toronto
NEWTON DRIVER'S SERVICES LTD.	582561	April 2, 1984	Listowel
NIAGARA REGION BED & BREAKFAST SERVICE INC.	582803	April 5, 1984	Niagara Falls
NORTH AMERICAN METAL TRADERS LTD. .	582835	April 5, 1984	Concord
NORTH SHORE AMBULANCE SERVICE LTD.	539318	Mar. 30, 1984	Schreiber
NTC SUPPLY LIMITED	571450	Mar. 30, 1984	St. Thomas
O. C. CONSULTANTS LIMITED	582881	April 6, 1984	Toronto
OFF THE LOT PRODUCTIONS INC.	582785	April 5, 1984	Willowdale
OLLIE AND VINE LIMITED	571456	Mar. 30, 1984	London
ONTARIO RESORTS INC.	582583	April 3, 1984	Toronto
OPTIONS – LIAISON LTD.	582804	April 5, 1984	Mississauga
ORANGE AND BLACK PUBLICATIONS INCORPORATED	582756	April 5, 1984	Toronto
ORCHARD PIES LIMITED	582646	April 3, 1984	Willowdale
ORRO PARTS PRODUCTION INC.	582875	April 6, 1984	Markham
OSLARK HOLDINGS LIMITED	582620	April 3, 1984	Toronto
OTHER WORLD BOOKING INC.	582358	Mar. 30, 1984	Toronto
OZ CLOTHING & ACCESSORIES INC.	582598	April 3, 1984	Willowdale
P. H. HARROWER HOLDINGS INC.	571477	April 4, 1984	Timmins
P. PELLEGRINO TRUCKING INCORPORATED	539320	Mar. 30, 1984	Schreiber
PACKMAN RENTALS INC.	581898	Mar. 28, 1984	Kitchener
PARACON CREDITVIEW INC.	581929	April 1, 1984	Toronto
PAT LOW INTERIORS & CUSTOM KITCHENS LTD.	538753	Mar. 30, 1984	Kingsville
PAUL'S PEST CONTROL SERVICES INC.	582645	April 3, 1984	Oshawa
PDR FITNESS CONSULTANTS GROUP INC. ..	582528	April 2, 1984	Thornhill
PENDOL HOLDINGS LTD.	581893	Mar. 28, 1984	Mississauga
PENTACAN, LTD.	582729	April 4, 1984	Toronto
PERFECT PORTION MEAT SHOPS INC.	582859	April 6, 1984	Welland
PETO HOLDINGS (OTTAWA) LIMITED	561695	Mar. 30, 1984	Ottawa
PETRINE DEVELOPMENT CORPORATION ..	582547	April 2, 1984	Toronto
PHINK ENTERPRISES LTD.	582566	April 2, 1984	Downsview
PIGEON LAKE INVESTMENTS INC.	582563	April 2, 1984	Toronto
PINE CROSS CARPENTRY LTD.	582631	April 3, 1984	Downsview
PLAYWORKS DAY SCHOOL INC.	582531	April 2, 1984	Toronto
POCKET PINCHERS INC.	582779	April 5, 1984	Scarborough
POSIE ADVERTISING INC.	581977	April 2, 1984	Barrie
POTJE HOLDINGS INC.	582572	April 2, 1984	Kitchener
PRINCE EDWARD HOMES LIMITED	582571	April 2, 1984	Hamilton
PRO PRODUCTS INC.	582805	April 5, 1984	Toronto
PROGRESSIVE SWINE GENETICS HOLDINGS INC.	582698	April 4, 1984	Vankleek Hill
PROPLAN CONSULTING SERVICES LIMITED	582637	April 3, 1984	Uxbridge
PROVINCIAL SHEET METAL LTD.	582724	April 4, 1984	Downsview
PRUSAC MFG INC.	582641	April 3, 1984	Scarborough
PTM INDUSTRIES INC.	582504	April 2, 1984	Toronto
QBD MODULAR SYSTEMS INC.	582836	April 5, 1984	Rexdale
QUEEN-BALSAM HOLDINGS LTD.	582625	April 3, 1984	Toronto
R. & J. GRECO INVESTMENTS LIMITED	582540	April 2, 1984	Sault Ste. Marie
R. BARNES DRUGS LIMITED	582750	April 4, 1984	Don Mills
R. K. HUNTER INSURANCE BROKERS (MISSISSAUGA) LIMITED	581970	April 3, 1984	Streetsville
R. WIDDIFIELD ENTERPRISES LTD.	582843	April 5, 1984	Toronto

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
R.D.S. ENTERPRISES LTD.	582565	April 2, 1984	Mississauga
R.G. DELINE INSURANCE BROKER LTD.	582605	April 5, 1984	Brantford
RACK-KING LTD.	581998	April 4, 1984	Toronto
RAINBOW DESSERTS INC.	581946	Mar. 30, 1984	Toronto
RAVEN SILK SCREEN & GRAPHICS INC.	583001	April 4, 1984	Toronto
RECONNAISSANCE INVESTMENTS LIMITED	582684	April 4, 1984	Toronto
RHONDA LEE FASHIONS INC.	571468	April 3, 1984	London
RO-MATT CLUTCH MANUFACTURING INC. .	538756	April 4, 1984	Windsor
ROGER MAYOTTE STABLE INC.	582764	April 5, 1984	Mississauga
ROHELDON INC.	582723	April 4, 1984	Mississauga
ROLARK STAINLESS STEEL INC.	581909	Mar. 29, 1984	Markham
ROSS EDWARD KING HOLDINGS LTD.	571461	Mar. 30, 1984	Stratford
ROYAL CREST AUTO SALES LIMITED	582823	April 5, 1984	Scarborough
ROYAL ENTERTAINMENT LTD	582581	April 3, 1984	North York
RUBEN PRINTING HOUSE LTD.	582695	April 4, 1984	Toronto
RUTH VINER HOLDINGS LTD.	561693	Mar. 30, 1984	Ottawa
S.J. BODNER LEASING LTD.	581839	April 4, 1984	Ancaster
SADDY & ASSOCIATES INCORPORATED	571353	April 1, 1984	London
SAM & ALFREDO MORREALE INVESTMENTS LTD.	581959	Mar. 30, 1984	Hamilton
SANDRA LEVINSON HOLDINGS LTD.	561692	Mar. 30, 1984	Ottawa
SCHEAN MEDIA ASSOCIATES INC.	582735	April 4, 1984	Gormley
SCOTIA FUTURES LIMITED OPERATIONS A TERME BNE LTEE.	582822	April 5, 1984	Toronto
SCOTT HAY HANDCRAFTED LOG HOMES INC.	582552	April 2, 1984	Toronto
SEAWAY VIDEO LIMITED	582841	April 5, 1984	Welland
SHANDAPH FOOD MART INC	582485	Mar. 30, 1984	Collingwood
SHAUNA'S CREATIVE DESIGNS LIMITED ...	582573	April 2, 1984	Barrie
SHERTRELL FOOD MART INC.	582486	Mar. 30, 1984	Collingwood
SHILSON AGRICULTURAL DRAINAGE LTD. .	582488	Mar. 30, 1984	Staples
SIDUN DISCOUNT FARM EQUIPMENT LTD. .	582551	April 2, 1984	Scarborough
SIMBA MOTORS LTD	582882	April 6, 1984	Toronto
SMYTHE HOME SERVICES LIMITED	582826	April 5, 1984	Willowdale
SNG RETOUCHING STUDIO LTD.	581954	April 2, 1984	Toronto
SOFTIME SYSTEMS LTD.	580810	Mar. 30, 1984	Nepean
SONTE INC.	582701	April 4, 1984	Toronto
SPORTS PLUS VACATIONS & RESORTS INC. .	582751	April 4, 1984	Oakville
SPORTSCLIFFE HOLDINGS INC.	571471	April 3, 1984	London
SPRINT PRINT INSTAPRINT LTD.	576516	April 5, 1984	Waterloo
ST. CATHARINES TENNIS & RACQUETS LTD.	582682	April 4, 1984	St. Catharines
STD ELECTRIC INDUSTRIES LTD.	582704	April 4, 1984	Toronto
STEALTH INCORPORATED	582719	April 4, 1984	St. Catharines
STEARNS & ASSOCIATES LTD.	582862	April 6, 1984	Toronto
STERLING DENTAL LABORATORIES INCORPORATED	582848	April 6, 1984	Toronto
STOBRIDGE INVESTMENTS LIMITED	581925	Mar. 30, 1984	Markham
STORY TREE BRANCH LIMITED	582546	April 2, 1984	Toronto
SUN-BELT FARMS LIMITED	538752	Mar. 30, 1984	Leamington
SUNELI INVESTMENT CORPORATION	582876	April 6, 1984	Toronto
SUPER FITNESS OF RICHMOND INC.	582683	April 4, 1984	Mississauga
T R J CONTROL SYSTEMS LTD	582718	April 4, 1984	Markham
TAFCAN CONSULTING LTD.	582541	April 2, 1984	Mississauga
TEMPEST ULTRASECURE SYSTEMS CORPORATION	582603	April 3, 1984	Toronto
TERRDONA INVESTMENTS LIMITED	582654	April 3, 1984	Toronto
TERRY KAISER & ASSOCIATES LTD	582809	April 5, 1984	Willowdale
THE CALORIE COUNTER LIMITED	582613	April 3, 1984	Toronto
THE COMPLAX CORPORATION	582855	April 6, 1984	Cobourg
THE DUTTON INTERNATIONAL GROUP INC.	538764	April 5, 1984	Windsor

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
THE MAGIC OF COLOUR AND STYLE INC. . .	571474	April 3, 1984	London
THE NEW YOU PRODUCTIONS INC.	582664	April 3, 1984	Toronto
THE NUT EMPORIUM INC.	582846	April 6, 1984	Willowdale
THE ON-X CORPORATION	582902	April 6, 1984	Toronto
THE ORIGINAL BRASS BED SHOPPES LTD. .	582874	April 6, 1984	Toronto
THE SINGING MACHINE CO. INC. (CANADA)	582653	April 3, 1984	Toronto
TIGER LEE HOLDING LTD.	582657	April 3, 1984	Scarborough
TIMBERLINE RENTALS LIMITED	571453	Mar. 30, 1984	London
TMD DONUTS INC.	571479	April 4, 1984	Strathroy
TONY EASTWOOD CASTING INC.	582611	April 3, 1984	Toronto
TRANCAN HOLDINGS LTD.	582763	April 5, 1984	Toronto
TRASH-AWAY EQUIPMENT INC.	582502	April 2, 1984	Toronto
TRAVEL-SCOPE INC.	581975	April 4, 1984	Kitchener
TRIANGLE SEVEN GROUP HOLDINGS LTD. .	582520	April 2, 1984	Agincourt
TRIELL HOLDINGS INC.	582879	April 6, 1984	Toronto
TRS MANAGEMENT LTD.	582544	April 2, 1984	Willowdale
TRY CITY GLASS INC.	582659	April 3, 1984	Kitchener
TRY-GAR PARTITION SYSTEM LTD.	561705	April 4, 1984	Gloucester
UNIVERSAL REINSURANCE MANAGEMENT LIMITED	582759	April 5, 1984	Toronto
VARCO INDUSTRIAL SALES LIMITED	583007	April 4, 1984	Chatham
VAUGHAN-WALTER ASSOCIATES INC.	582872	April 6, 1984	Rexdale
VENT TECH INC.	582893	April 6, 1984	Elliot Lake
VERN'S RADIATOR SERVICE LTD.	582838	April 5, 1984	Huntsville
VINCE GOUBOUT LOGGING LTD.	582489	Mar. 30, 1984	Fort Frances
VITAL CAR & TRUCK RUSTPROOFING (OTTAWA 1984) LTD	561694	Mar. 30, 1984	Ottawa
WALLI ENGINEERING INC.	582602	April 3, 1984	Oshawa
WALTHORPE ENTERPRISES LTD.	582776	April 5, 1984	Markham
WAR GAMES INC.	582808	April 5, 1984	Mississauga
WARDELL TV & APPLIANCES LTD.	582824	April 5, 1984	Hagersville
WAYNE GROGAN AUTOBODY LTD.	582658	April 3, 1984	Bracebridge
WB CAR RENTALS LIMITED	582798	April 5, 1984	Rexdale
WEE OURS INVESTMENTS INCORPORATED	583002	April 4, 1984	Oakville
WESTERN STAR (LONDON) INC.	571454	Mar. 30, 1984	London
WESTHILL ONE LIMITED	571486	April 5, 1984	London
WESTREIT FOODS INC.	561702	April 2, 1984	Manotick
WILDWOOD HOLDINGS LTD.	539322	April 3, 1984	Thunder Bay
WILF CHARLES SERVICENTRE LIMITED	582730	April 4, 1984	Toronto
WIPER-PRO INC.	582781	April 5, 1984	Toronto
WONG & YIP CHEMISTS CO. LTD.	582726	April 4, 1984	Toronto
WOODBIDGE PUBLICATIONS LTD.	582580	April 3, 1984	Oshawa
WUIS BROS. CONSTRUCTION LTD.	564131	Mar. 30, 1984	Peterborough
YELNIK ENTERPRISES LIMITED	581891	Mar. 28, 1984	Hamilton
YORKIES RESTAURANT LTD.	548192	April 5, 1984	Kingston
YOSSI'S KOSHER FINE FOODS LTD.	582591	April 5, 1984	North York
ZAREN CONSTRUCTION CONTRACTOR INCORPORATED	582514	April 2, 1984	Toronto
ZUBER FINANCIAL CORPORATION	582710	April 4, 1984	Toronto
39 STANLEY AVENUE LIMITED	582509	April 2, 1984	Hamilton
4-10 MUSIC, INC.	582559	April 2, 1984	Kapuskasing
510561 ONTARIO LIMITED	510561	Mar. 30, 1984	Kagawong
510562 ONTARIO LIMITED	510562	Mar. 30, 1984	Sudbury
510564 ONTARIO LTD.	510564	April 4, 1984	Sudbury
510565 ONTARIO LIMITED	510565	April 5, 1984	Sudbury
538750 ONTARIO LTD.	538750	Mar. 30, 1984	Windsor
538751 ONTARIO LIMITED	538751	Mar. 30, 1984	Windsor
538754 ONTARIO INC.	538754	April 3, 1984	Windsor
538755 ONTARIO INC.	538755	April 3, 1984	Chatham
538759 ONTARIO INC.	538759	April 4, 1984	Blenheim
538762 ONTARIO INC.	538762	April 5, 1984	Windsor
538763 ONTARIO INC.	538763	April 5, 1984	Windsor

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
539316 ONTARIO INC.	539316	Mar. 30, 1984	Thunder Bay
539319 ONTARIO LTD.	539319	Mar. 30, 1984	Thunder Bay
539321 ONTARIO INC.	539321	Mar. 30, 1984	Thunder Bay
548186 ONTARIO INC.	548186	Mar. 30, 1984	Lansdowne
548188 ONTARIO LIMITED	548188	April 2, 1984	Kingston
561696 ONTARIO LIMITED	561696	Mar. 30, 1984	Ottawa
561698 ONTARIO LTD.	561698	Mar. 30, 1984	Kanata
561699 ONTARIO LIMITED	561699	April 2, 1984	Ottawa
561700 ONTARIO LIMITED	561700	April 2, 1984	Rockland
561701 ONTARIO LIMITED	561701	April 2, 1984	Ottawa
561706 ONTARIO LTD.	561706	April 4, 1984	Carleton Place
561708 ONTARIO INC.	561708	April 5, 1984	Ottawa
561709 ONTARIO LIMITED	561709	April 5, 1984	Finch
564132 ONTARIO LIMITED	564132	Mar. 30, 1984	Toronto
571452 ONTARIO LIMITED	571452	Mar. 30, 1984	London
571458 ONTARIO INC.	571458	Mar. 30, 1984	London
571467 ONTARIO LTD.	571467	April 2, 1984	London
571469 ONTARIO LIMITED	571469	April 3, 1984	Hamilton
571472 ONTARIO INC.	571472	April 3, 1984	London
571478 ONTARIO LIMITED	571478	April 4, 1984	London
571480 ONTARIO LIMITED	571480	April 4, 1984	London
571481 ONTARIO LIMITED	571481	April 5, 1984	Sarnia
571483 ONTARIO INC.	571483	April 5, 1984	London
571484 ONTARIO LIMITED	571484	April 5, 1984	Waterloo
578401 ONTARIO INC.	578401	April 4, 1984	Toronto
580941 ONTARIO INC.	580941	April 4, 1984	Oro Station
581814 ONTARIO LIMITED	581814	April 4, 1984	Niagara Falls
581840 ONTARIO INC.	581840	April 5, 1984	Milton
581860 ONTARIO LIMITED	581860	April 5, 1984	Scarborough
581892 ONTARIO INC.	581892	Mar. 28, 1984	Dundas
581894 ONTARIO INC.	581894	Mar. 28, 1984	Kenora
581896 ONTARIO LTD.	581896	Mar. 28, 1984	Cornwall
581914 ONTARIO INC.	581914	Mar. 29, 1984	Ignace
581915 ONTARIO INC.	581915	Mar. 30, 1984	Ajax
581917 ONTARIO INC.	581917	Mar. 29, 1984	Thorold
581926 ONTARIO LTD.	581926	Mar. 30, 1984	Rexdale
581944 ONTARIO INC.	581944	Mar. 30, 1984	Sault Ste. Marie
581945 ONTARIO INC.	581945	Mar. 30, 1984	St. Catharines
581956 ONTARIO INC.	581956	April 2, 1984	Etobicoke
581958 ONTARIO LIMITED	581958	Mar. 30, 1984	Stevensville
581971 ONTARIO INC.	581971	April 3, 1984	Orillia
581972 ONTARIO LTD.	581972	April 3, 1984	Windsor
581997 ONTARIO INC.	581997	April 5, 1984	Hamilton
581999 ONTARIO LIMITED	581999	April 4, 1984	Barrie
582359 ONTARIO LTD.	582359	Mar. 30, 1984	Toronto
582490 ONTARIO INC.	582490	Mar. 30, 1984	Wingham
582491 ONTARIO INC.	582491	Mar. 30, 1984	Brussels
582498 ONTARIO LIMITED	582498	April 2, 1984	Toronto
582501 ONTARIO LTD.	582501	April 2, 1984	Toronto
582503 ONTARIO INC.	582503	April 2, 1984	Nepean
582506 ONTARIO INC.	582506	April 2, 1984	Kitchener
582507 ONTARIO LIMITED	582507	April 2, 1984	Toronto
582511 ONTARIO INC.	582511	April 2, 1984	Waterloo
582512 ONTARIO LTD.	582512	April 2, 1984	Pickering
582515 ONTARIO INC.	582515	April 2, 1984	Waterloo
582516 ONTARIO INC.	582516	April 2, 1984	Waterloo
582517 ONTARIO INC.	582517	April 2, 1984	Waterloo
582518 ONTARIO LIMITED	582518	April 2, 1984	Guelph
582523 ONTARIO LTD.	582523	April 2, 1984	Don Mills
582524 ONTARIO LTD.	582524	April 2, 1984	Mississauga
582525 ONTARIO LTD.	582525	April 2, 1984	Glencairn
582527 ONTARIO LIMITED	582527	April 2, 1984	Markham

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
582539 ONTARIO INC.	582539	April 2, 1984	Mississauga
582543 ONTARIO LIMITED	582543	April 2, 1984	Toronto
582553 ONTARIO INC.	582553	April 2, 1984	Markham
582556 ONTARIO INC.	582556	April 2, 1984	Toronto
582562 ONTARIO LIMITED	582562	April 2, 1984	Toronto
582567 ONTARIO LIMITED	582567	April 2, 1984	Scarborough
582568 ONTARIO INC.	582568	April 2, 1984	Stoney Creek
582570 ONTARIO INC.	582570	April 2, 1984	Elliot Lake
582575 ONTARIO LIMITED	582575	April 3, 1984	Toronto
582576 ONTARIO LIMITED	582576	April 3, 1984	Toronto
582582 ONTARIO INC.	582582	April 3, 1984	Toronto
582585 ONTARIO INC.	582585	April 3, 1984	London
582595 ONTARIO LIMITED	582595	April 3, 1984	Richmond Hill
582596 ONTARIO LIMITED	582596	April 3, 1984	Downsview
582597 ONTARIO LIMITED	582597	April 3, 1984	Mississauga
582604 ONTARIO INC.	582604	April 3, 1984	Mississauga
582606 ONTARIO LIMITED	582606	April 3, 1984	Toronto
582607 ONTARIO LIMITED	582607	April 3, 1984	Toronto
582609 ONTARIO LIMITED	582609	April 3, 1984	Durham
582614 ONTARIO LIMITED	582614	April 3, 1984	Don Mills
582616 ONTARIO LIMITED	582616	April 3, 1984	Toronto
582618 ONTARIO INC.	582618	April 3, 1984	Toronto
582622 ONTARIO INC.	582622	April 3, 1984	Toronto
582632 ONTARIO LIMITED	582632	April 3, 1984	West Hill
582633 ONTARIO LIMITED	582633	April 3, 1984	Toronto
582634 ONTARIO LTD.	582634	April 3, 1984	Toronto
582635 ONTARIO LIMITED	582635	April 3, 1984	Sault Ste. Marie
582636 ONTARIO LIMITED	582636	April 3, 1984	Toronto
582639 ONTARIO LTD.	582639	April 3, 1984	Toronto
582640 ONTARIO INC.	582640	April 3, 1984	Caledon
582644 ONTARIO LIMITED	582644	April 3, 1984	Brampton
582647 ONTARIO INC.	582647	April 3, 1984	Dundas
582649 ONTARIO LIMITED	582649	April 3, 1984	Downsview
582651 ONTARIO LIMITED	582651	April 4, 1984	Toronto
582652 ONTARIO LIMITED	582652	April 3, 1984	Brampton
582663 ONTARIO LIMITED	582663	April 3, 1984	Toronto
582666 ONTARIO INC.	582666	April 3, 1984	Whitby
582668 ONTARIO LTD.	582668	April 3, 1984	Brockville
582673 ONTARIO INC.	582673	April 4, 1984	Willowdale
582674 ONTARIO LIMITED	582674	April 4, 1984	North York
582678 ONTARIO INC.	582678	April 4, 1984	Scarborough
582679 ONTARIO INC.	582679	April 4, 1984	Scarborough
582685 ONTARIO LTD.	582685	April 4, 1984	Willowdale
582686 ONTARIO LIMITED	582686	April 4, 1984	Brampton
582696 ONTARIO LIMITED	582696	April 4, 1984	Niagara Falls
582702 ONTARIO INC.	582702	April 4, 1984	Toronto
582703 ONTARIO INC.	582703	April 4, 1984	Toronto
582706 ONTARIO INC.	582706	April 4, 1984	Toronto
582709 ONTARIO LIMITED	582709	April 4, 1984	Newmarket
582711 ONTARIO LIMITED	582711	April 4, 1984	West Hill
582712 ONTARIO LTD.	582712	April 4, 1984	Markham
582713 ONTARIO INC.	582713	April 4, 1984	Hamilton
582717 ONTARIO LIMITED	582717	April 4, 1984	Toronto
582721 ONTARIO LIMITED	582721	April 4, 1984	Toronto
582732 ONTARIO LIMITED	582732	April 4, 1984	Kitchener
582733 ONTARIO INC.	582733	April 4, 1984	Waterloo
582734 ONTARIO LTD.	582734	April 4, 1984	Islington
582737 ONTARIO LIMITED	582737	April 4, 1984	Hamilton
582740 ONTARIO LIMITED	582740	April 4, 1984	Blind River
582741 ONTARIO LIMITED	582741	April 4, 1984	Blind River
582742 ONTARIO INC.	582742	April 4, 1984	Brantford
582747 ONTARIO LIMITED	582747	April 4, 1984	Brantford

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
582753 ONTARIO LTD	582753	April 5, 1984	Burlington
582754 ONTARIO LIMITED	582754	April 5, 1984	Willowdale
582755 ONTARIO INC.	582755	April 5, 1984	Toronto
582757 ONTARIO INC.	582757	April 5, 1984	Burlington
582758 ONTARIO INC.	582758	April 5, 1984	Oshawa
582760 ONTARIO LIMITED	582760	April 5, 1984	Grimsby
582761 ONTARIO LIMITED	582761	April 5, 1984	Grimsby
582762 ONTARIO LIMITED	582762	April 5, 1984	Toronto
582765 ONTARIO LIMITED	582765	April 5, 1984	Toronto
582766 ONTARIO LIMITED	582766	April 5, 1984	Toronto
582767 ONTARIO LIMITED	582767	April 5, 1984	Toronto
582768 ONTARIO LIMITED	582768	April 5, 1984	North York
582769 ONTARIO INC.	582769	April 5, 1984	Waterloo
582770 ONTARIO INC.	582770	April 5, 1984	Burlington
582773 ONTARIO LIMITED	582773	April 5, 1984	Toronto
582774 ONTARIO LIMITED	582774	April 5, 1984	Toronto
582775 ONTARIO LIMITED	582775	April 5, 1984	Downsview
582777 ONTARIO LIMITED	582777	April 5, 1984	Downsview
582778 ONTARIO LIMITED	582778	April 5, 1984	Unionville
582780 ONTARIO LIMITED	582780	April 5, 1984	Downsview
582782 ONTARIO LIMITED	582782	April 5, 1984	Mississauga
582783 ONTARIO LIMITED	582783	April 5, 1984	Mississauga
582784 ONTARIO LIMITED	582784	April 5, 1984	Thornhill
582789 ONTARIO INC.	582789	April 5, 1984	Downsview
582791 ONTARIO LIMITED	582791	April 5, 1984	Markham
582796 ONTARIO INC.	582796	April 5, 1984	Kleinburg
582801 ONTARIO LIMITED	582801	April 5, 1984	Toronto
582802 ONTARIO LIMITED	582802	April 5, 1984	Napanee
582807 ONTARIO LIMITED	582807	April 5, 1984	Brantford
582810 ONTARIO INC.	582810	April 5, 1984	Hagersville
582811 ONTARIO LIMITED	582811	April 5, 1984	London
582813 ONTARIO LIMITED	582813	April 5, 1984	Toronto
582814 ONTARIO INC.	582814	April 5, 1984	Toronto
582816 ONTARIO LIMITED	582816	April 5, 1984	Toronto
582817 ONTARIO LIMITED	582817	April 5, 1984	Thornhill
582819 ONTARIO LIMITED	582819	April 5, 1984	Toronto
582828 ONTARIO LTD.	582828	April 5, 1984	Toronto
582829 ONTARIO LIMITED	582829	April 5, 1984	Islington
582830 ONTARIO LIMITED	582830	April 5, 1984	Etobicoke
582834 ONTARIO LIMITED	582834	April 5, 1984	Niagara Falls
582839 ONTARIO INC.	582839	April 5, 1984	Toronto
582840 ONTARIO LTD.	582840	April 5, 1984	Lansdowne
582844 ONTARIO LIMITED	582844	April 5, 1984	Smooth Rock Falls
582845 ONTARIO LIMITED	582845	April 6, 1984	Niagara Falls
582847 ONTARIO LIMITED	582847	April 6, 1984	Weston
582852 ONTARIO LTD.	582852	April 6, 1984	Georgetown
582854 ONTARIO LIMITED	582854	April 6, 1984	Toronto
582857 ONTARIO LIMITED	582857	April 6, 1984	Scarborough
582858 ONTARIO LIMITED	582858	April 6, 1984	Bowmanville
582864 ONTARIO LIMITED	582864	April 6, 1984	Mississauga
582865 ONTARIO LIMITED	582865	April 6, 1984	Toronto
582867 ONTARIO LIMITED	582867	April 6, 1984	Toronto
582870 ONTARIO LTD.	582870	April 6, 1984	Toronto
582871 ONTARIO INC.	582871	April 6, 1984	Toronto
582873 ONTARIO LIMITED	582873	April 6, 1984	Mississauga
582880 ONTARIO INC.	582880	April 6, 1984	Dover Centre
582885 ONTARIO LIMITED	582885	April 6, 1984	Toronto
582886 ONTARIO INC.	582886	April 6, 1984	Islington
582887 ONTARIO INC.	582887	April 6, 1984	Port Perry
582895 ONTARIO LIMITED	582895	April 6, 1984	Brampton
582896 ONTARIO INC.	582896	April 6, 1984	Brampton
582897 ONTARIO LIMITED	582897	April 6, 1984	Toronto

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
582898 ONTARIO LIMITED	582898	April 6, 1984	Toronto
582899 ONTARIO LIMITED	582899	April 6, 1984	Toronto
582900 ONTARIO LIMITED	582900	April 6, 1984	Scarborough
582901 ONTARIO LTD.	582901	April 6, 1984	Port Colborne
582903 ONTARIO LTD.	582903	April 6, 1984	Toronto
582904 ONTARIO LTD.	582904	April 6, 1984	Toronto
582909 ONTARIO LIMITED	582909	April 6, 1984	Kitchener
583003 ONTARIO LTD.	583003	April 4, 1984	Orono
583008 ONTARIO INC	583008	April 4, 1984	Carrying Place
583018 ONTARIO LIMITED	583018	April 6, 1984	Guelph
583021 ONTARIO LTD.	583021	April 5, 1984	St. Catharines
583022 ONTARIO LIMITED	583022	April 5, 1984	Niagara Falls
583024 ONTARIO INC	583024	April 5, 1984	St. Catharines

E. J. WELLS, LL.B.,
Director, Companies Branch.

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Letters Patent of Incorporation Issued

NOTICE IS HEREBY GIVEN that, under the *Corporations Act*, Letters Patent have been issued to:

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Head Office
AMPRESS CHILDREN'S CENTER (without share capital)	579776	Mar. 15, 1984	Gloucester
THE CANADIAN ASSOCIATION OF HIGH TECHNOLOGY (without share capital)	583012	April 3, 1984	Mississauga
THE CARING TRIANGLE CORPORATION (without share capital)	580956	April 4, 1984	Newmarket
FAIRPORT YACHT CLUB (without share capital)	580937	Mar. 16, 1984	Pickering
FAMILY SPACE QUINTE INC. (without share capital)	573136	Mar. 12, 1984	Belleville
FRATERNITE DES CHEVALIERS DE TIMMINS (without share capital)	571819	April 3, 1984	Timmins
GOLDEN TOWN RETIREMENT COMMUNITY INC. (without share capital)	579665	Mar. 2, 1984	Meaford
KENORA AREA COMMITTEE FOR SKILL DEVELOPMENT (without share capital)	580936	April 4, 1984	Kenora
NIAGARA MARCO POLO FOUNDATION (without share capital)	580982	April 5, 1984	Niagara Falls
NOR-WEST GENEALOGY & HISTORY SOCIETY (without share capital)	573166	April 6, 1984	Vermilion Bay
OARC REHABILITATIVE CORPORATION (without share capital)	579745	Mar. 20, 1984	Oakville
OSHAWA PORTUGUESE CLUB (without share capital)	574283	Mar. 16, 1984	Oshawa
PARKVIEW VILLAGE RETIREMENT COMMUNITY ASSOCIATION OF YORK REGION (without share capital)	580826	April 5, 1984	Whitchurch-Stouffville
PASS IT ON INC. (without share capital)	583013	April 4, 1984	Oakville
RAISE HOME SUPPORT SERVICE FOR THE ELDERLY (without share capital)	579720	Mar. 7, 1984	Kitchener
ROTARY CLUB OF KEMPTVILLE ONTARIO INCORPORATED (without share capital)	580886	April 4, 1984	Kemptville
SANDCASTLE DAY CARE CENTRES INC. (without share capital)	580814	Mar. 9, 1984	North York
SAUGEEN TELECABLE SATELLITES BALL CLUB (without share capital)	580872	Mar. 15, 1984	Walkerton

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Head Office
SCARBOROUGH IRON BUTTERFLIES PARENTS ASSOCIATION (without share capital)	579746	Mar. 7, 1984	Scarborough
SHEKINAH EVANGELISTIC MINISTRIES (without share capital)	581902	Mar. 28, 1984	Brampton
THE SOCIETY OF ST. VINCENT DE PAUL (PETERBOROUGH) (without share capital)	580848	April 2, 1984	Peterborough
THRACIAN SOCIETY 'DEMOCRITOS' OF METROPOLITAN TORONTO INC. (without share capital)	580829	April 3, 1984	Scarborough
TIMMINS FRIENDS OF THE GENERAL PALSIED (without share capital)	570248	Mar. 28, 1984	Timmins
TORONTO ESTONIAN ANGLERS & HUNTERS CLUB INC. (without share capital) .	578489	Mar. 16, 1984	East York
			E. J. WELLS, LL.B., Director, Companies Branch.

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Certificates of Amalgamation

NOTICE IS HEREBY GIVEN that a certificate of amalgamation under the *Business Corporations Act* has been endorsed:

Name of Amalgamated Corporation	Ontario Corp. No.	Effective Date	Names of Amalgamating Corporations
ALLMAKE LEASING LIMITED	538761	April 5, 1984	Allmake Leasing Limited 538744 Ontario Limited
BURNS FRY LIMITED BURNS FRY LIMITEE	581941	Mar. 31, 1984	Burns Fry Limited 578142 Ontario Inc.
EII LIMITED	582787	April 5, 1984	Gerrard-Ovalstrapping Limited Lamb Limited
FERN'S ELECTRIC COMPANY LIMITED	581804	April 3, 1984	Fern's Electric Company Limited Mid City Wholesale Company Limited
J.C. DESIGN VENTURE LIMITED	581931	April 1, 1984	J. C. Design Venture Limited J.J.H. Drafting Service Limited
J.S.G. HOLDINGS LIMITED	582894	April 6, 1984	J.S.G. Holdings Limited Tirock Limited
JUNECO HOLDINGS LIMITED	581932	Mar. 29, 1984	Juneco Holdings Limited Elliott Brothers Limited
PICKERING GOLF CLUB LIMITED	581882	April 1, 1984	Pickering Golf Club Limited Pickering Pools Limited
582851 ONTARIO LIMITED	582851	April 6, 1984	462818 Ontario Limited 481038 Ontario Limited
			E. J. WELLS, LL.B., Director, Companies Branch.

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Certificates of Continuance

NOTICE IS HEREBY GIVEN that a certificate of continuance under the *Business Corporations Act*, has been endorsed:

Name of Corporation	Ontario Corp. No.	Effective Date	Registered Office
ADDISON ON BAY LTD.....	63965	April 6, 1984	Toronto
CREATIONS MILBER INC.	579748	April 9, 1984	Toronto

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Amendments to Articles

NOTICE IS HEREBY GIVEN that, under the *Business Corporations Act*, amendments to articles have been effected as follows:

Name of Corporation	Ontario Corp. No.	Effective Date
A.M.ABRAHAM STEEL SERVICE LIMITED (formerly 578754 Ontario Inc.)	578754	April 5, 1984
ACKMUDO INVESTMENTS LIMITED	265490	April 5, 1984
ACS ASSOCIATES CONSULTING SERVICES LTD.	507700	April 6, 1984
ACS INFORMATION SYSTEMS INC.	519574	April 6, 1984
ACS PROFESSIONAL SERVICES INC.	537882	April 6, 1984
AIR SAILING LIMITED	213261	April 5, 1984
AJ'S TRAVEL LTD. (formerly American National Bus Systems Ltd.)	491421	April 4, 1984
ALAN FIELD DESIGNS LTD.	457654	April 9, 1984
ALDAN CONSTRUCTION LIMITED (formerly Aldan Construction General Interiors Limited)	529818	April 3, 1984
ALDOR BUILDERS LTD.	257149	April 6, 1984
ALEXANDER FOODS LIMITED (formerly Dolores & Alexander Inc.)	558985	April 6, 1984
W. ALTMANN & SON LTD.	258151	April 6, 1984
ARNIE'S FOOD SERVICES (1983) LIMITED	519632	April 6, 1984
ARTECO HOLDINGS LIMITED (formerly 566770 Ontario Limited)	566770	April 6, 1984
ARTISTIC WOODWORK CO. LIMITED	69767	April 4, 1984
ARTISTIC WOODWORK CO. LIMITED	69767	April 3, 1984
ASHLIN COMPUTER CONSULTANTS LIMITED	541180	April 5, 1984
B&C WORLD GYMS LTD. (formerly 577845 Ontario Inc.)	577845	April 4, 1984
BARRIE MACHINE TOOL MANUFACTURING INC.	341444	April 5, 1984
BAY LIMA INVESTMENTS (1984) LTD. (formerly 566705 Ontario Limited)	566705	April 3, 1984
BELMONT MEAT PRODUCTS LIMITED	153410	April 6, 1984
BERGER (PRESTON) INC. (formerly Berger Flowers & Gifts Inc.)	387273	Mar. 30, 1984
BIRDLAND PLAZAS CORP. (formerly 418023 Ontario Limited)	418023	April 4, 1984
BOAT TOURS INTERNATIONAL LIMITED	478524	April 5, 1984
BRADWICK ELECTRICAL CONTRACTORS LIMITED (formerly 576915 Ontario Limited)	576915	April 2, 1984
C.G.F. METAL FABRICATING CORPORATION	331505	April 3, 1984
CAMEX CORPORATE CONSULTANTS INC.	518533	April 4, 1984
CANACRUDE LIMITED	551194	April 3, 1984
CANADIAN ODEON THEATRES LTD.	374375	April 5, 1984
CANTEL TECHNOLOGIES INC.	538345	April 3, 1984
CARRON FARMS LIMITED	204309	April 5, 1984
CCS OFFICE AUTOMATION INC. (formerly Graphics 365 Limited)	455702	April 4, 1984
CELEX CORPORATION (formerly 581206 Ontario Limited)	581206	April 4, 1984
CENTRE VALLEY GARDENS LIMITED	333733	April 5, 1984
CHAPARRAL CONSULTANTS INC. (formerly Woodstock Best Western Inc.)	570433	April 6, 1984
CHARETTE HOLDINGS LTD. (formerly 507826 Ontario Inc.)	507826	April 2, 1984
CHEESEFINGER (1984) LTD. (formerly 580239 Ontario Limited)	580239	April 4, 1984
CITY WINDOW REPAIR COMPANY LIMITED	209554	April 9, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
CLIFFWOOD PROFESSIONAL CONSULTANTS INC. (formerly Cliffwood Professional Accident Consultants Inc.)	578283	April 3, 1984
COMPUSCREEN TYPESETTING LTD.	369633	April 5, 1984
COMPUTER UTILITY MANAGEMENT LIMITED	218344	April 4, 1984
COMPUTER VISTAS INC.	497522	April 5, 1984
COMPUTERIZED ENERGY SYSTEMS LIMITED	505203	April 5, 1984
CORANJA COMPANY LIMITED	236518	April 9, 1984
CYMBAL EXPLORATIONS INC.	429774	April 5, 1984
T. DELANEY INC.	352103	April 5, 1984
DELAWARE TRADING LIMITED (formerly Rapid Blue Print Limited) ...	582296	April 9, 1984
DETROIT GASKET LTD. (formerly 581619 Ontario Limited)	581619	April 6, 1984
R. DEY ENTERPRISES INC. (formerly R. Dey Management Inc.)	381525	April 4, 1984
DIAMOND INTERNATIONAL TOURS INC.	497249	Mar. 30, 1984
THE DIET WORKS INC.	501662	April 4, 1984
DOMINION & MONARCH TYPE LIMITED	79864	April 4, 1984
DORACH DISTRIBUTING INC.	487660	April 4, 1984
DOWTY CANADA ELECTRONICS LIMITED (formerly Simtron Limited)	330300	April 6, 1984
DOWTY CANADA LIMITED (formerly Dowty Equipment of Canada Limited)	59082	April 6, 1984
EARL'S FITNESS LTD.	542193	April 6, 1984
ELITE INSTRUCTOR SERVICES INC.	542860	April 6, 1984
ESKIMO REFRIGERATION LTD.	410291	April 6, 1984
EURO-TECH FOOD PROCESSING EQUIPMENT LTD. (formerly Koppens Canada Ltd.)	555371	April 6, 1984
EXCELLENCE FRENCH COMMUNICATIONS LIMITED	512527	April 3, 1984
EXTRAORDINAIRE LTD. (formerly Chez Jose Jewellers Ltd.)	340602	April 5, 1984
F&T TOOLING INC.	435458	April 3, 1984
FAMOUS PLAYERS DEVELOPMENT CORPORATION/SOCIETE DE DEVELOPPEMENT FAMOUS PLAYERS	521808	April 9, 1984
FER-MAR MECHANICAL WORK LTD.	503609	April 3, 1984
FIVE SEASONS TRAVEL LTD.	344441	Mar. 30, 1984
FRANCIS ENGINEERING LIMITED	266652	April 3, 1984
FREEWAY VISUALS INC. (formerly 575891 Ontario Limited)	575891	April 4, 1984
G.&G. CANDY INCORPORATED	497922	April 5, 1984
G.B.F. PLASTIC SALES INC.	352589	April 3, 1984
GALLO FINE FURNITURE LTD. (formerly 391849 Ontario Limited)	391849	April 3, 1984
GARRETT, GOULD & PLEWS INSURANCE BROKERS LTD.	580408	April 5, 1984
GASMAC INC.	544145	April 3, 1984
GENERAL TIRE CANADA LIMITED	253462	April 4, 1984
GOLDEN LIGHT PRODUCTIONS INC.	402157	April 6, 1984
THE GOLDSMITH SHOPPE INC.	376153	April 6, 1984
GOMEI INVESTMENTS LIMITED	281836	April 4, 1984
GORD DAVENPORT ENTERPRISES INC. (formerly Gord Davenport Automotive Ltd.)	269761	April 4, 1984
GRAPHIC ARTS CENTRE LTD. (formerly Graphics Arts Centre Ltd.)	577792	Mar. 30, 1984
HARRCROFT ACRES LIMITED	250884	April 5, 1984
W. J. HEIDEMAN EQUIPMENT LTD.	527086	Mar. 30, 1984
HIDDEN COVE FRANCHISING LIMITED (formerly Stuart's Home Furnishing Franchise Inc.)	384110	April 9, 1984
HIDDEN COVE HOLDINGS (BRAMPTON) LIMITED (formerly Stuart's Furniture and Appliances (Brampton) Inc.)	384129	April 9, 1984
HIDDEN COVE HOLDINGS (DUFFERIN) LIMITED (formerly Stuart's Furniture and Appliances (Dufferin) Inc.)	385343	April 9, 1984
HIDDEN COVE HOLDINGS (WHITBY) LIMITED (formerly Stuart's Furniture and Appliances (Whitby) Inc.)	389611	April 9, 1984
HOLY SPIRIT GIFT SHOP LTD.	512107	April 4, 1984
HOMETOWN BUDGET PLAN INC. (formerly 570033 Ontario Limited) ...	570033	April 9, 1984
I.H.I. HOLDINGS LTD. (formerly 582762 Ontario Limited)	582762	April 6, 1984
I.N.I. INNOVATIVE INFORMATION INC.	576911	April 3, 1984
INDE-CHELSEA INTERNATIONAL INC.	412615	April 6, 1984
INTERIOR LEASING CORPORATION (formerly Burlington Leasing Inc.).	529169	April 4, 1984
INVERCAULD LIMITED (formerly Melancthon Productions Ltd.)	309160	Mar. 30, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
J. W. POLLIE LIMITED	112280	April 6, 1984
JACQUELINE'S CASUALS FOR MEN INC. (formerly Target Investments Limited)	222939	April 4, 1984
JAY-BYRD CONSTRUCTION LTD. (formerly 518702 Ontario Limited) ...	518702	April 5, 1984
JAY-DEE GARDENS LIMITED	299224	April 5, 1984
JULINA OF CALEDON INC.	572835	April 6, 1984
K.A.R. DEVELOPMENTS LIMITED	256712	April 5, 1984
KENZIE HOLDINGS LIMITED	453983	April 3, 1984
KEYLINE INDUSTRIAL SALES LIMITED	232834	April 3, 1984
KIRBY TOOL & MOLD INC.	538619	April 5, 1984
KOON WAH CO. LTD. (formerly 575930 Ontario Inc.)	575930	April 5, 1984
KSF CHEMICAL PROCESSES LTD. (formerly 517174 Ontario Inc.)	517174	April 5, 1984
KUPERUS CONSTRUCTION LTD.	280532	April 5, 1984
L.M.J. EXECUTIVE FURNISHING LIMITED (formerly L.M.J. Fine Custom Carpentry Ltd.)	369816	April 3, 1984
LAKESIDE HOME BAKERY LIMITED	350216	April 4, 1984
LATIFUNDIA INVESTMENT CORPORATION	404767	April 9, 1984
LAURENTIA INC. (formerly Laurentia Limited)	512410	April 6, 1984
LAWRENCE A. BRENZEL LIMITED	28499	April 9, 1984
LESER DESIGN INC. (formerly Leser/Robinson Design Inc.)	578750	April 3, 1984
LETRASET CANADA LIMITED	129435	April 5, 1984
LI-MAR SALES LTD.	579770	April 3, 1984
M.C.M. HOLDINGS LIMITED (formerly 504963 Ontario Limited)	504963	April 2, 1984
MAINGATE EQUIPMENT LEASING LIMITED	348622	April 3, 1984
MARKID BUSINESS PRODUCTS LIMITED	216583	April 5, 1984
MARNOR CONSTRUCTION LIMITED	207306	April 5, 1984
MARTIN-BROWER OF CANADA, LTD.	257735	April 9, 1984
R.S. MCCLEAN GRAPHICS LTD. (formerly R.S. McClean Graphics Inc.) .	495693	April 4, 1984
MCLEOD FORD MERCURY SALES LIMITED (formerly 510357 Ontario Inc.)	510357	April 4, 1984
MEAFORD HARBOUR PLACE LTD.	549314	Mar. 30, 1984
MEGADAWN PRINTED CIRCUITS INC. (formerly 561393 Ontario Inc.) .	561393	April 4, 1984
MELTING FURNACE SERVICES INC.	300535	April 6, 1984
METRO/SUSSMAN ASSOCIATES GENERAL PARTNER INC.	579926	April 9, 1984
MIELKO INSURANCE LIMITED (formerly Mielko Insurance Agency Limited)	354674	April 3, 1984
MILITEC INTERNATIONAL INC.	545775	April 3, 1984
MOBILE PARTS INC.	510037	April 3, 1984
MODO CONTRACTING LTD. (formerly Spadola Carpentry & General Contractor Ltd.)	527657	April 5, 1984
MODULAR HOLIDAYS INC.	411743	April 5, 1984
MONIQUE AUTOMOBILES LTD. (formerly Andre Paquette Automobiles Ltd.)	486564	April 2, 1984
MONTVEST REALTY LIMITED	488787	April 4, 1984
MOSAID INC.	305940	April 2, 1984
MOSAID SYSTEMS INC.	505289	April 2, 1984
MURRAY LAWTON LIMITED	213934	April 4, 1984
MY OWN DARKROOM INC. (formerly Racquets & Jackets (1981) Inc.) ...	481485	April 2, 1984
NATIONAL GRAPHICS & PRINTS SERVICES INC.	518405	April 5, 1984
NEW COLONY ENERGY CORPORATION	526484	April 4, 1984
NG TAK TONG (CANADA) LIMITED (formerly L.A.I. Investments Limited)	282597	April 5, 1984
NORDWAY CONSTRUCTION LIMITED	284115	April 6, 1984
NORTH WESTERN FLYING SERVICES LIMITED	114419	April 3, 1984
NORTHLAND DENTAL LABORATORY LTD.	526537	April 3, 1984
OCCUPATIONAL HEALTH AND SAFETY SERVICES LIMITED	430588	April 4, 1984
OPTICAL INNOVATIONS INC. (formerly Canadario Investment Corporation)	424803	April 5, 1984
P. L. LUMBER & HARDWARE COMPANY LIMITED	222529	April 4, 1984
PACIFIC ODYSSEY LTD. (formerly 469149 Ontario Limited)	469149	April 6, 1984
PALM CORPORATION LIMITED (formerly 519561 Ontario Limited)	519561	April 2, 1984
PANEL CLIP OF CANADA INC.	502346	April 9, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
PANORAMA RIDGE PROPERTIES INC. (formerly 561670 Ontario Inc.) ..	561670	April 2, 1984
PAPPY'S GOOD EATS LIMITED	479125	April 4, 1984
PARK VISTA PROPERTIES LIMITED	460256	April 3, 1984
PCANADA SYSTEMS INC. (formerly Shelder Investments Limited)	219020	April 3, 1984
THE PEASANT'S LARDER FOOD CORP.....	397886	April 9, 1984
PEMOSU HOLDINGS LIMITED	344215	April 9, 1984
PETERBOROUGH HOMES LIMITED	517284	April 6, 1984
PETERBOROUGH VASCULAR LAB. INC. (formerly 495135 Ontario Limited)	495135	April 5, 1984
PETRITZ ENTERPRISES LIMITED	136730	April 4, 1984
PISTACHIOS, NUTS 'N STUFF LTD.....	426674	April 6, 1984
PYMBLE HOLDINGS INC.	345580	April 3, 1984
QUALIFIED SALES LEADS LIMITED (formerly Celeriter Curro Inc.)	582436	April 4, 1984
QUESTA DESIGN LIMITED	339103	April 5, 1984
R-THETA INC.	459735	April 4, 1984
RAPID BLUE PRINT INC. (formerly Dorach Distributing Inc.)	487660	April 9, 1984
RATCLIFFS (CANADA) LIMITED	69745	April 6, 1984
WALTER REAUME CONSTRUCTION LTD. (formerly 571371 Ontario Limited)	571371	April 3, 1984
REEMARK HOMES LIMITED	493267	April 6, 1984
REEMARK LIMITED	456121	April 6, 1984
REEMARK – PETERBOROUGH HOMES LIMITED	547007	April 6, 1984
REF AUTOMATION LIMITED	250285	April 6, 1984
RELIANCE TRAVEL (CANADA) INC.	514695	April 5, 1984
RENEE GAREAU FAMILY ESTATES LIMITED	547109	April 6, 1984
REUTER BAILIFFS INC. (formerly Napier-Reuter Bailiffs Inc.)	446140	April 4, 1984
REVUE PUBLICATIONS LIMITED	338286	April 4, 1984
RUMBLE PONTIAC BUICK LIMITED.....	146586	April 9, 1984
SAVERS DRUG MART LTD.	578940	April 4, 1984
SCANCOLOUR LTD	469224	Mar. 30, 1984
SCARFF INFORMATION SYSTEMS INCORPORATED (formerly 442017 Ontario Limited)	442017	April 6, 1984
SCHLEGEL CANANA INC.	38068	April 9, 1984
SHARBAT SOUND INVESTMENTS INC.	582254	April 9, 1984
SIGNS OF THE TIMES LTD.	396396	April 3, 1984
SOAPAK INDUSTRIES LTD.	582035	April 4, 1984
SORENSEN GREENHOUSES INC.	521843	April 6, 1984
SOWEGO MANAGEMENT LIMITED.....	351876	April 6, 1984
SPEEDI-KOOL LTD. (formerly 582082 Ontario Limited).....	582082	April 9, 1984
SPRINT RESOURCES LTD.	391639	April 4, 1984
THE STANDARD ST. LAWRENCE COMPANY LIMITED	59486	April 9, 1984
STANDARD ST. LAWRENCE INVESTMENTS LIMITED	526524	April 9, 1984
STROUD GRAPHIC EQUIPMENT LIMITED	242206	April 9, 1984
SUN CROWN LTD. (formerly Sun Crown Trading Ltd.)	438653	April 9, 1984
SUPREME ALUMINUM INDUSTRIES LIMITED	17439	April 5, 1984
T. & M. IDEAL REAL ESTATE LTD. (formerly T & M Realty Inc.)	361971	April 4, 1984
T.R.I.-AM FREIGHT AUDIT SERVICES LTD.	454669	April 5, 1984
TECL HOLDINGS LIMITED	498691	April 9, 1984
TELECOMMUNICATIONS SERVICE BUREAU INC.	496053	April 4, 1984
THETA INDUSTRIES LIMITED	224873	Mar. 30, 1984
THOMSON EQUITABLE CORPORATION LIMITED	95965	April 9, 1984
THOMSON INTERNATIONAL CORPORATION LIMITED	140552	April 9, 1984
TIBES VARIETY LIMITED	443455	April 6, 1984
TIMBERJACK INC. (formerly 556959 Ontario Limited)	556959	April 6, 1984
TOUCHSTONE CONSTRUCTION LTD. (formerly 488047 Ontario Limited)	488047	April 5, 1984
GEO. S. TRUDELL CO. LIMITED	207252	April 2, 1984
TUVALU LAND & COCONUT COMPANY LTD. (formerly Pali Projects Inc.).....	519703	April 4, 1984
TWENTY-NINETEEN CARLING TERRACE LTD.....	504830	April 6, 1984
UNITED PRODUCERS COMPANY LTD. (formerly Greenlight Producers International (Canada) Inc.)	576869	April 3, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
UNIVERSAL INSULATIONS COMPANY LIMITED.....	406734	April 9, 1984
MICHAEL UZELAC AND SON LIMITED.....	143566	April 6, 1984
V. T. INGLIS HOLDINGS LTD.....	332874	April 9, 1984
VELCAN LTD.	350233	April 3, 1984
VISRAM FAMILY HOLDINGS LIMITED (formerly A. Merani Holdings Limited)	416609	April 6, 1984
WALLIS EAVES INC.....	546837	April 4, 1984
WELLAND NISSAN LTD. (formerly Welland Datsun Ltd.).....	312226	April 4, 1984
WHITE RADIO, LIMITED	24927	April 5, 1984
WHITELINE INVESTMENTS LIMITED (formerly Whiteline Communications Limited)	283424	April 5, 1984
WIDMEYER PRESS LIMITED	242831	April 6, 1984
WINNERS APPAREL LTD.	508349	April 6, 1984
XEMAR INDUSTRIES INC.....	574888	April 4, 1984
XENON CAPITAL CORPORATION	434891	April 6, 1984
YOUNG UTILITY EQUIPMENT INC. MATERIEL ELECTRIQUE YOUNG INC. (formerly 530765 Ontario Inc.).....	530765	April 9, 1984
110838 ONTARIO LIMITED (formerly Barrie Tent and Awning Company Limited)	110838	April 9, 1984
373741 ONTARIO LIMITED	373741	April 4, 1984
411630 ONTARIO LIMITED	411630	Mar. 30, 1984
411729 ONTARIO LIMITED	411729	April 4, 1984
413388 ONTARIO INCORPORATED	413388	April 5, 1984
419752 ONTARIO LIMITED	419752	April 2, 1984
454303 ONTARIO LIMITED	454303	April 3, 1984
459111 ONTARIO INC.....	459111	April 3, 1984
472612 ONTARIO LIMITED	472612	April 9, 1984
488981 ONTARIO LIMITED (formerly Clean Energy Products Inc.)	488981	April 9, 1984
495490 ONTARIO LTD.	495490	April 4, 1984
506489 ONTARIO LIMITED	506489	April 4, 1984
509868 ONTARIO LIMITED	509868	April 2, 1984
509869 ONTARIO LIMITED	509869	April 2, 1984
511942 ONTARIO LIMITED (formerly The Custom Framer Galley Ltd.) ...	511942	April 6, 1984
526843 ONTARIO LIMITED (formerly Cheesefinger Ltd.)	526843	April 4, 1984
529286 ONTARIO LIMITED	529286	April 9, 1984
534265 ONTARIO LIMITED	534265	April 5, 1984
536229 ONTARIO LIMITED	536229	April 9, 1984
539239 ONTARIO LTD.	539239	April 3, 1984
546435 ONTARIO LIMITED	546435	April 4, 1984
568175 ONTARIO LIMITED	568175	April 4, 1984
568601 ONTARIO LIMITED	568601	April 4, 1984
572304 ONTARIO LIMITED	572304	April 5, 1984
574198 ONTARIO LIMITED	574198	April 4, 1984
575761 ONTARIO LIMITED (formerly William Pugliese Enterprises Incorporated)	575761	Mar. 30, 1984
577398 ONTARIO INC.....	577398	April 6, 1984
579424 ONTARIO INC.....	579424	April 5, 1984

E. J. WELLS, LL.B.,
Director, Companies Branch.

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Supplementary Letters Patent Issued

NOTICE IS HEREBY GIVEN that, under the *Corporations Act*, Supplementary Letters Patent have been issued to:

Name of Corporation	Ontario Corp. No.	Effective Date
ADVAITA EDUCATIONAL SOCIETY TORONTO (Advaita Educational Foundation Toronto)	507555	April 4, 1984
ALZHEIMER ASSOCIATION OF ONTARIO	535489	April 5, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
THE ART GALLERY OF ONTARIO FOUNDATION	85386	Mar. 23, 1984
GREEK COMMUNITY OF OSHAWA AND DISTRICT (Canadian Greek Orthodox Community of Oshawa and District)	240550	April 2, 1984
COMMUNITY LEGAL SERVICES OF NIAGARA SOUTH	520761	Mar. 29, 1984
COMMUNITY NURSING REGISTRY OF OTTAWA.....	300523	Mar. 29, 1984
DOMINION GOLF LTD. (Dominion Golf & Country Club)	28133	Mar. 27, 1984
THE HEILON HILL CHARITABLE FOUNDATION (The Goodhost Charitable Foundation)	411498	April 5, 1984
NEW TORONTO NURSERY CO-OPERATIVE INC. (New Toronto Nursery Incorporated)	270844	Mar. 29, 1984
POLONIA CENTRE (WINDSOR) INC.	399281	Mar. 28, 1984
PROM-EDU-VAL SOCIETY	545511	Mar. 19, 1984
ST. ELIAS CANADIAN ARAB ORTHODOX CHURCH OF WINDSOR...	498157	April 2, 1984
ST. FREDERIC'S CATHEDRAL NATIONAL EVANGELICAL SPIRITUAL BAPTIST FAITH ARCHDIOCESE OF CANADA INC. (St. Frederic's Cathedral O. of M. Spiritual Baptist)	345657	April 4, 1984

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Articles of Revival

NOTICE IS HEREBY GIVEN that, certificates of revival under the *Business Corporations Act*, have been endorsed reviving the following corporations:

Name of Corporation	Ontario Corp. No.	Effective Date
DEBREG INVESTMENTS LIMITED	136078	April 3, 1984
GROSSE BLEICHEN HOLDINGS LIMITED	297665	April 3, 1984
HARDILL RESOURCES LIMITED	411010	April 5, 1984
POWER EXPLORATIONS & HOLDINGS LIMITED	264329	April 2, 1984
346915 ONTARIO LIMITED.....	346915	April 3, 1984

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Extra-Provincial Licences Issued

NOTICE IS HEREBY GIVEN that, under Part VIII of the *Corporations Act*, Licences have been issued to the following corporations:

Name of Corporation	Ontario Corp. No.	Jurisdiction of Incorporation	Date of Licence
ALBERTA GAS CHEMICALS LTD.	560064	Alberta	April 2, 1984
B.T. GOLD EXPLORATIONS LIMITED	535644	British Columbia	April 4, 1984
CANALPINE AGENCIES LTD.	545419	British Columbia	April 3, 1984
COMMONWEALTH PACIFIC CONSULTANTS LTD.	581811	British Columbia	April 4, 1984
GOLDEN VALE EXPLORATIONS CORP.	581919	British Columbia	Mar. 29, 1984
JET-STAR MINERALS CORP.	583030	British Columbia	April 4, 1984
K.B.S. BUSINESS SYSTEMS LTD.	581939	British Columbia	April 2, 1984
MILLER-INDEPENDENCE MINING LTD.	581853	British Columbia	Mar. 29, 1984
NORTHCOR ENERGY LTD.	579797	Alberta	Mar. 21, 1984
POOLGARANT N.V.	583029	Netherlands	April 5, 1984
RICH, INC.	583015	Delaware	April 4, 1984

Name of Corporation	Ontario Corp. No.	Jurisdiction of Incorporation	Date of Licence
RIVERBOAT RESTAURANTS LTD.	580986	Manitoba	April 5, 1984
SEAGULL MINING LTD.	581992	Alberta	April 3, 1984
TENEBAUM WHOLESALE WAREHOUSING OF ALBERTA LTD.	560706	Alberta	Mar. 30, 1984
ZEGWAARD BELEGGINGSMAATSCHAPPIJ B.V. ..	580984	Netherlands	Mar. 30, 1984
265775 ALBERTA LTD.	583014	Alberta	April 4, 1984

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Certificates of Dissolution

NOTICE IS HEREBY GIVEN that a Certificate of Dissolution under the *Business Corporations Act*, has been endorsed:

Name of Corporation	Ontario Corp. No.	Effective Date
ACTDEAL CAN. LTD.	389820	April 4, 1984
ALEX. TOBIAS & ASSOCIATES, LIMITED	81152	April 6, 1984
BARRIE HARDWARE LIMITED	95110	April 3, 1984
BYTOWN-CARLETON INVESTMENTS LIMITED	215180	April 2, 1984
C. L. RENTALS & EQUIPMENT LIMITED	129237	April 3, 1984
CANAC INVESTMENTS LIMITED	424973	April 3, 1984
CASSELMAN AMBULANCE SERVICE LTD.	388541	April 4, 1984
CBK MANAGEMENT SERVICES LIMITED	397725	April 5, 1984
CHARLTON SHOES LIMITED	210834	April 4, 1984
CRAIGLEA INVESTMENTS LIMITED	137998	April 4, 1984
DONALD W. SMITH ENTERPRISES INCORPORATED	287904	April 2, 1984
DUNNVILLE APPLIANCE AND T.V. CENTRE LIMITED	263409	April 4, 1984
E. V. BRECKON LIMITED	59547	Mar. 30, 1984
EMILL INVESTMENTS LIMITED	269864	April 2, 1984
FRANK TEMPLAIN LIMITED	68800	Mar. 28, 1984
GORDON-MARKS ASSOCIATES LIMITED	108322	April 6, 1984
GORDOR INVESTMENTS LTD.	471520	Mar. 28, 1984
LIDDY'S APPLIANCES LIMITED	74266	April 4, 1984
MAJOR MASONRY LIMITED	255882	Mar. 28, 1984
MORAIS INCORPORATED	376275	Mar. 28, 1984
O'CONNOR REALTIES LIMITED	75314	April 3, 1984
POLEN TRAFFIC SERVICES LIMITED	419587	April 2, 1984
SCHINDLER REAL ESTATE LTD.	479047	April 3, 1984
SIMONETT RENTALS LIMITED	88728	April 2, 1984
TAFT AUTO RECYCLING LTD.	337588	April 5, 1984
TANNER TRANSPORT LIMITED	235071	April 6, 1984
THE ELIZABETH RESIDENCE FOR ELDERLY LADIES	16733	Mar. 22, 1984
THOMPSON'S NURSING HOME LIMITED	204170	April 4, 1984
WAMMY HOLDINGS INC.	392681	April 4, 1984
WILLIAMS-HAMILTON REALTY LIMITED	244083	April 3, 1984
143 CHURCH STREET LIMITED	286979	April 5, 1984
338085 ONTARIO LTD.	338085	April 3, 1984
357711 ONTARIO LIMITED	357711	April 4, 1984
481238 ONTARIO LIMITED	481238	April 2, 1984

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Credit Unions Dissolved

NOTICE IS HEREBY GIVEN that, under the *Credit Unions and Caisses Populaires Act*, dissolution has been declared of:

Name of Corporation	Date of Incorporation	Date of Order	Date of Dissolution
GERALDTON COMMUNITY CREDIT UNION LIMITED	Jan. 6, 1966	April 2, 1984	April 2, 1984

T. T. ROBINS,

Director, Credit Unions and Co-operatives
Services Branch, Financial Institutions Division.

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Cancellations for Cause
(Business Corporations Act)

NOTICE IS HEREBY GIVEN that by Orders under section 239 of the *Business Corporations Act* the certificates set out hereunder have been cancelled for cause and in the case of certificates of incorporation the corporations have been dissolved:

Name of Corporation	Ontario Corp. No.	Type of Certificate Cancelled	Effective Date of Cancellation
MACH-10 VEHICULAR SERVICES INC.	499101	Certificate of Incorporation	Mar. 28, 1984
MATTI ASSOCIATES INC.	352481	Certificate of Incorporation	Mar. 28, 1984
PENELTON DEVELOPMENTS LIMITED	390389	Certificate of Incorporation	Mar. 28, 1984
REVELLIE RECORDS INTERNATIONAL DISTRIBUTORS INC.	559837	Certificate of Incorporation	Aug. 16, 1983
SHAREL INVESTMENT CORPORATION	363002	Certificate of Incorporation	Mar. 28, 1984
WANDERSON CORPORATION	478257	Certificate of Incorporation	Mar. 28, 1984
452275 ONTARIO LIMITED	452275	Certificate of Incorporation	Mar. 28, 1984
559286 ONTARIO INC.	559286	Certificate of Incorporation	July 29, 1983

E. J. WELLS, LL.B.,
Director, Companies Branch.

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Certificate of Amendment of Articles Issued

NOTICE IS HEREBY GIVEN that, under the *Co-operative Corporations Act*, amendments to articles have been effected as follows:

Name of Corporation	Date of Incorporation	Effective Date	Type of Certificate Issued
COOMB'S MILL HOUSING CO-OPERATIVE INC.	June 29, 1983	April 3, 1984	Articles of Amendment

T. T. ROBINS,

Director, Credit Unions and Co-operatives
Services Branch, Financial Institutions Division.

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Notice of Default in Complying with
the Corporations Tax Act

The Director has been notified by the Minister of Revenue that the following corporations are in default in complying with the *Corporations Tax Act*.

NOTICE IS HEREBY GIVEN under subsection 240 (1) of the *Business Corporations Act* that unless the corporations listed hereunder comply with the requirements of the *Corporations Tax Act* within 90 days of this notice, Orders will be made dissolving the defaulting corporations. All enquiries concerning this notice are to be directed to Corporations Tax Branch, Ministry of Revenue, 33 King Street West, Oshawa, Ontario, L1H 8H6.

Name of Corporation	Ontario Corp. No.
A & A OFFICE EQUIPMENT LIMITED	223869
A. R. R. CONSTRUCTION LTD.	386599
A. WARNAAR LTD.	243487
ABE RENAUD REAL ESTATE LIMITED	271499
ACCLAIM INVESTMENTS LIMITED	448299
ACCUSTAK EQUIPMENT LIMITED	390304
ACTIVE OFFICE MACHINES INC.	479149
ADRIATIC FINANCIAL CORPORATION	399580
ALDERGROVE CONSTRUCTION LIMITED	155445
ALEX ANDERSON TRUCKING LTD.	363300
ANDY'S ROOFING COMPANY LIMITED	446860
ANNABAR CONSULTANTS LIMITED	381620
ANNEDOL INVESTMENTS LIMITED	445372
ANVIL METAL INDUSTRIES LIMITED	155639
ATHENA HOLDINGS COMPANY LTD.....	444053
ATLANTIC HARBOUR IMPORT AND EXPORT LIMITED	402729
AUDIT EXCAVATING AND CONTRACTING LTD.	333102
AVONDALE VILLA LIMITED	213953
B & W VACUUM PACKAGING SERVICES LTD.	410666
B.H. FASHIONS SALES MART LTD.	466328
B.O.N.U.S. PRODUCTIONS INC.	451369
BABYLAND PORTRAITS LTD.	332649
BAIOCCO CONSTRUCTION (NIAGARA) LIMITED	238100
BATEMAN REAL ESTATE INC.	287901
BEALES LIMITED	443999
BELLEVILLE INDUSTRIAL DOORS AND LOADING RAMPS LTD.	447422
BENCOURT LIMITED	338735
BENRO PLASTICS LIMITED	369573
BIGVIEW FURNITURE & APPLIANCES CO. LTD.	379222
BIRG HOLDINGS LEASING LIMITED	308593
BLUE.WHITE SERVICES LIMITED	139382
BORICH DEVELOPMENTS LIMITED	447620
BRABANTIA ESTATES LIMITED	307586
BRAMALEA HOCKEY LIMITED	259610
BRIAN NOLAN AGENCY LIMITED	271109
BRIAR GLEN COUNTRY ESTATES LIMITED	268883
BRIAR LANE INVESTMENTS INC.	273686
BURT LEASING SERVICES LIMITED	446677
C. D. HILL AND ASSOCIATES LIMITED	315505
C. R. W. HOTELS LTD.	446716
C.E. GENTIL HOLDINGS LIMITED	266479
CABOT PRESS LTD.	446438
CALLE REAL ESTATE LIMITED	291098
CAMENCO LIMITED	446400
CAMPBELLFORD OFFICE MANAGEMENT LTD.	359166
CAN-SAT HIGH TECHNOLOGY SYSTEMS LTD.	414340
CANADIAN SAGITTA LIMITED	139803
CANOPEX LIMITED	430212
CARTER'S OF BOND STREET LIMITED	261894
CASA BELLA FURNITURE DISTRIBUTING & IMPORTING LIMITED	360618
CASA FUNCHAL (TORONTO) INC.	417099

Name of Corporation	Ontario Corp. No.
CASA LOMA LEATHER COMPANY LIMITED	308933
CASPER INVESTMENTS LIMITED	218230
CEDARVALE INVESTMENTS LTD.	444608
CENTINA PRODUCTS LTD.	312055
CHAIRCO INTERNATIONAL INC.	445745
CHOICE INVESTMENTS LTD.	444614
CHRY'S INC.	447298
COLCAN INVESTORS LIMITED	446825
COLONNADE COURT DEVELOPMENTS LIMITED	281995
COLOURAMA AUTO BODY LIMITED	230990
CONCORD ROOFING INC.	445609
CONFEDERATED COLLECTORS AGENCY INC.	445205
COPCO FILM PRODUCTIONS LIMITED	305535
CORIANDER HOLDINGS LTD.	315230
CRAFTY LADY CERAMICS & GIFTS INC.	384403
CREATIVE SYSTEMS CONSULTANTS LIMITED	447085
CRONOS LIVE BAIT LIMITED	418129
CROWN INSULATION LTD.	416244
CUISINE NOUVELLE DE FRANCE INC.	447436
D. & V. PARROTT CO. LTD.	280149
D. B. – M. A. C. E. INVESTMENTS LIMITED	246542
D. W. K. INVESTMENTS LTD.	346638
D.W.T. CONSOLIDATED LTD.	290275
DATAS ENTERPRISES LIMITED	298710
DAVID BARBER CONSTRUCTION LIMITED	142266
DCI COMBUSTION SUDBURY LTD.	453422
DE FRANCO CONSTRUCTION CO. LTD.	419183
DEARBORN STEEL TUBING INC.	331088
DEBONAIRE DECORATING INC.	445640
DECORATED PLASTICS LIMITED	358709
DELREX DEVELOPMENTS LIMITED	73522
DEVAN & SWARTZ PROPERTY MANAGEMENT INC.	407777
DEZELL ROOFING AND PAINTING LTD.	331674
DIAL A BARGAIN LTD.	525962
DIVERS' WORLD INC.	360760
DON HUNT AUTO LTD.	273949
DON MILLS BUILDING SUPPLIES (ROSELAWN) LIMITED	151268
DONUT 'N' SNACK LTD.	447053
DOUBLE D DEVELOPMENTS LTD.	309786
DR. CARBURETOR INC.	445269
DUFFERIN ANTIQUES LIMITED	308690
DYNAMAG OF CANADA LTD.	449084
EJAZ ENTERPRISES LIMITED	448462
ELITE MOVING SERVICES INC.	388682
ERIK H. HANSEN & COMPANY LIMITED	312913
EXOTIC PRESERVED FLORAL MANUFACTURING INC.	459725
F B M MANAGEMENT SERVICES INC.	445625
FENWORTH REALTY LIMITED	386665
FERADINI SHOES LIMITED	445368
FERNSPAR GROUP INC.	360426
FINE ARTISANS INCORPORATED	447241
FLEETWOOD INSURANCE AGENCIES INC.	446476
FRANEL INTERIORS LTD.	446309
FRONTENAC TRANSPORT LIMITED	74233
FUNDING WORLD GROUP LTD.	446828
FUTURE AERIAL SPRAY LIMITED	333605
G. & N. WHITWELL ENTERPRISES LIMITED	428942
GARDEN LANE ESTATES LIMITED	146442
GARGON PARK HOLDINGS LIMITED	150875
GEODEL INVESTMENTS LIMITED	102759
GEREON ENTERPRISES LIMITED	416168
GLOBAL TECHNOLOGY & SYSTEMS CANADA LTD.	447172

Name of Corporation	Ontario Corp. No.
GODERICH FROSTED FOODS LIMITED	419178
GOLDEN GLORY RESTAURANT LIMITED	381281
GONIS (CANADA) LIMITED	269515
GRANDIX HOLDINGS LIMITED	345259
GROFF MANAGEMENT SERVICES LTD.	389576
GSF ASSOCIATES LTD.	388031
GURNISH INVESTMENTS LIMITED	220837
HAMILTON WOODWORKING LIMITED	263844
HAREM CHEMICALS COMPANY LIMITED	359516
HARRISON COUNTRY FURNITURE LTD.	445941
HEATHER'S PETS 'N' STUFF LIMITED	307224
HELGA FARRILL AND ASSOCIATES LIMITED	359557
HEWSON, LUKE, STONE LIMITED	297978
HILL COURT MOBILE HOMES LIMITED	234463
HILLIS REALTY INC.	385147
HOMEY FARM LIMITED	91486
HONG-KONG (ESSEX) HOLDING & REALTY COMP. LTD.	448345
HOWARD MCRAE LEASING LIMITED	348409
HOWELL AUTO ASSOCIATES LIMITED	426547
HUGHES-COLUMBIA INC.	404860
HUNTER'S HORN INN LIMITED	285640
INTERNATIONAL RECREATION INC.	249872
INTRAZONE PROPERTIES LIMITED	408341
J. A. YOUNG REAL ESTATE LIMITED	344577
J. S. BARR TRANSPORTATION LTD.	460353
J.K. SYSTEMS LIMITED	430392
J&F JEWELLERS INC.	429242
JAMES K. MAHON ADVERTISING LTD.	387713
JASON-WILLIAMS INDUSTRIES LIMITED	280203
JEL PRODUCTS LIMITED	272226
JELMACK SALES & SERVICE LTD.	385543
JOHN MCHUGH RESTAURANTS LTD.	423780
JOHN MILLER & ASSOCIATES INSURANCE AGENCIES LTD.	445985
JOHN NEVEN CONSTRUCTION LIMITED	332641
JOHNSTOWN STRUCTURES LTD.	442323
JORIC BOOT & SHOES LIMITED	447363
JOSHUA MINES LIMITED	304975
JOYCE BATES ENTERPRISES LTD.	259811
K PLUS ONE COMPANY LIMITED	311818
K. D. ELECTRIC LTD.	440822
KALADAR INDUSTRIAL SERVICES INC.	447174
KAR MAR KARPET KLEEN LTD.	448877
KATJMO INC.	358593
KEIJAY ASSOCIATES LIMITED	393994
KEN ANDERSON OFFICE SUPPLIES INC.	359869
KENSINGTON TOWER ANTIQUES LTD.	418432
KIRAN INTERNATIONAL CORPORATION	445953
LABELLE TRUCKING & CONSTRUCTION LIMITED	93513
LAKELAND INSULATION LIMITED	448157
LAUREAT ROBERT LUMBER LIMITED	349016
LAURIDSEN/WILBUR TRANSMISSION SERVICES LIMITED	391458
LEATHERDALE MARINE SALES LTD.	467057
LEN ROSS ENTERPRISES LIMITED	239334
LENGARD DIESEL ENGINE CONTROLS LIMITED	447262
LINCOLN COLLECTION AGENCIES LIMITED	105368
LISGAR HEIGHTS PLAZA LIMITED	377905
LIVIERO INVESTMENTS LIMITED	224394
LLOYD'S RESTAURANT & TAVERN LIMITED	387975
LONDON DISC JOCKEY SERVICE LTD.	417076
LOU-CAN BAKERIES INC.	384346
LYNDAR MANAGEMENT LTD.	301365
M. GALLO DISTRIBUTORS LIMITED	272166

Name of Corporation	Ontario Corp. No.
M.D.A. ANSWERING SERVICES LIMITED	305990
M.S. & S.C. INC.	262076
MACTAG INC.	266914
MALWOOD CONSTRUCTION LTD.	437028
MARJILL INVESTMENTS LIMITED	125616
MARK BENNETT ASSOCIATES LIMITED	381708
MARK'S MOTORHOME SALES LIMITED	252955
MATTAWA CONSTRUCTION AND PLASTERING LIMITED	123650
MCGUIRE HOLDINGS LIMITED	485150
MECHPAK INC.	412097
MERCHANTS OFF PRICE CLOTHING LTD.	244542
MESSECAR GARAGE LIMITED	241602
METRO TORONTO TREE SERVICE LTD.	355636
METRO-GOLDEN CAT LTD.	430297
METRO-LUX REAL ESTATE LIMITED	501582
MEXIPOINTS LTD.	416921
MICHAEL F.J. GORMAN SALES LTD.	343092
MIKE TREACY ENTERPRISES LTD.	393070
MILVAN CATERING SUPPLIES LTD.	337131
MINERVA TEXTILES LIMITED	257035
MONARCH PAINTS LIMITED	97863
MULHALL MARKETING CORPORATION	447898
MULTI SPORTS INC.	369447
MURDOCH STEEL WAREHOUSING CO. LTD.	288146
MYSTRAS INVESTMENTS LIMITED	281603
N.D.C. SERVICE CENTRE LTD.	423186
NARI EMPORIUM LTD.	379164
NEW DRIVERS OF CANADA INC.	447835
NEW-WAY AUTO BODY LIMITED	382241
NEWSWORTHY ENTERPRISES LIMITED	97198
NORM LEVINE SALES LIMITED	339748
NORTH BAY BROADCASTING LIMITED	448175
NORTHERN GUARDRAIL (ALGOMA) LIMITED	446779
NOVAGEN CORPORATION	488345
NUMARCO COMPANY LIMITED	118390
NUMBER ELECTRIC LIMITED	372525
OLYMPIC FUELS CO. LIMITED	382126
ON LOCATION INC.	445844
ONTARIO LAUNDRY LIMITED	55874
P. S. B. DESIGN LIMITED	400324
P.D.A. MANUFACTURING LIMITED	285120
PACHINO INSULATION COMPANY LIMITED	425827
PACIN LIMITED	282034
PAUL LEPAGE & CO. LTD.	374736
PBK PUBLISHING LTD.	420676
PEERLESS TRANSPORTATION SERVICES LTD.	286278
PETER KRAAYVANGER CONSTRUCTION LIMITED	224313
PETER PARKKARI GENERAL TRUCKING LIMITED	205374
PHILCHARCAL INVESTMENTS INC.	378227
PIERO MERCHANDISING LTD.	305993
PINEHOLM INVESTMENTS LIMITED	447989
PLACKODUS INVESTMENTS LTD.	448353
POLYPHASE CORPORATION	310424
PORTSIA LTD.	437945
POWERHOUSE PROMOTIONS INC.	449001
PRECIS LEGAL SUPPORT AND MAINTENANCE LTD.	267849
R. STRICKLAND HOLDINGS LIMITED	333997
R.A. MONK TRANSPORTATION & CONSULTING AGENCY INC.	448707
RADIO MAN INC.	386391
RANO INVESTMENTS LIMITED	91677
RAY BROWN EQUIPMENT LTD.	395692
RAY JAY'S T.V. & STEREO WAREHOUSE INC.	414534

Name of Corporation	Ontario Corp. No.
REALTY CONSULTANTS INC.	451184
REGIONAL CONTRACTING HAMILTON LIMITED	276611
REVALVE INC.	447637
RICHARD S. WALKER/ENGINEERING INC.	311698
RIDEAU LAUNDRY INC.	301394
RIDGELEA RENOVATIONS (BARRIE) LIMITED	288552
RIVERSIDE SPEEDWAY LIMITED	389682
ROMAIN-FALSETTO ASSOCIATES LTD.	446093
ROYAL CASKETS INCORPORATED	445829
SAMOTH MANAGEMENT LIMITED	307329
SAMPIERI INVESTMENTS LIMITED	476888
SANDHURST WATER WORKS LIMITED	130327
SEMPER FIDELIS CORPORATION LIMITED	419008
SHELSI HOLDINGS LIMITED	368912
SHERIDAN TEXTILES SPECIALTIES INC.	370459
SHIELDING ENVIRONMENT LIMITED	355735
SILLA HOLDINGS LIMITED	331182
SNOB LTD.	249053
SOME THINGS FISHY LTD.	361119
SPACE HOVERCRAFT LTD.	383643
SPACECORP LIMITED	299549
SPORTS TRAVEL HOME LIMITED	256618
STAN'S RESTAURANTS LIMITED	140325
STAR COLLISION REPAIR SERVICES LIMITED	231653
STEADFAST INVESTMENTS LIMITED	287348
STERKEN MACKENZIE (CANADA) LIMITED	447470
STUCICO ENTERPRISES LIMITED	269944
SUB-MARINERS DIVING EQUIPMENT LIMITED	311219
SUBURBAN BATTERY CO. LTD.	446820
SUBWAY ELVIS PRODUCTIONS INC.	384852
SUMMERFELDT HAULAGE LIMITED	449314
SUNSHINE CITY INVESTMENTS LIMITED	358580
SWEATER DISCOUNT WAREHOUSE LTD.	369956
T. M. MARKETING INC.	424969
T.F.C. ENTERPRISES INC.	448190
T.H. GRAY AUTOMOTIVE CORPORATION	446104
TAMTASH GROCETERIA LTD.	444171
TAREX INDUSTRIES INC.	360045
TASTY TREAT PASTRY SHOPS LIMITED	115312
TAXPERTS INC.	287341
TAYSIDE MACHINE LTD.	453222
TBA EDITORIAL LIMITED	447043
TECHNICAL SPECIALISTS LIMITED	294270
THE ART CONNECTION LTD.	446755
THE DOLLY MADISON DOLL COMPANY INC.	384404
THE FRAMING SUPERMARKET LIMITED	350459
THE FUGU PLAN FILM PRODUCTION COMPANY LTD.	445915
THE KELLAND CORPORATION INC.	339951
THE KITCHEN SPECIALIST INC.	363428
THE LEADER JANITORIAL AND MAINTENANCE	290528
THE MARKET PLACE (WINDSOR) LIMITED	410491
THE MEB INVESTMENT CORPORATION	296232
THE PAPER GREETINGS INC.	334938
THENAR DEVELOPMENTS LTD.	433786
THOMPSON-WEST INC.	411705
TIGER VEND INC.	399446
TIME KIOSKS INC.	348096
TIVOLI TRAVEL SERVICE LIMITED	339012
TOM'S TRUCKING & EXCAVATING LTD.	277726
TOP VIEW REALTY INC.	356608
TRI-FORM CONSTRUCTION LTD.	458624
TSUNG CHIA LIMITED	368332

Name of Corporation	Ontario Corp. No.
TYERS INSULATORS LTD.	447639
VANDENDRIES CONSTRUCTION LIMITED	317624
VESTLYKKE MANAGEMENT SERVICES INC.	446664
VIDEO EXCHANGE LIMITED	446482
VIDEO KLINIK INCORPORATED	446488
VMS PRINTING LIMITED	373412
WALCO PRODUCTIONS LIMITED	256273
WAPO ENTERPRISES LIMITED	446457
WARREN WHITLEY RENTAL EQUIPMENT LIMITED	105059
WEATHERIDGE PROPERTIES LIMITED	403365
WELLARD MANAGEMENT LIMITED	445117
WELWARD MOTOR SALES LIMITED	298928
WESLION HOLDINGS LIMITED	427191
WHITE OAK POOLS LTD.	475499
WILLIAM BLOM & SONS ENTERPRISES LTD.	368647
WILLIAM SMITH STUDIO LIMITED	257917
WINES OF VENICE CO. LIMITED	339336
WISTUBA CONSTRUCTION LIMITED	282590
WOOD-CROFT RENOVATION LIMITED	286686
WOODSHIRE INVESTMENT CORPORATION	446372
XYLOID ENERGY INC.	446533
YAM INVESTMENTS LTD.	405739
ZAJNER ROOFING LIMITED	292245
ZELTA MEDITATION SYSTEMS INCORPORATED	386377
ZIGWOLF INVESTMENTS INC.	253129
ZORGE CONSTRUCTION COMPANY LIMITED	113073
261515 HOLDINGS LIMITED	261515
274445 ONTARIO LIMITED	274445
281970 ONTARIO LTD.	281970
284000 ONTARIO LIMITED	284000
287801 ONTARIO LIMITED	287801
304251 ONTARIO LIMITED	304251
334509 ONTARIO LIMITED	334509
334736 ONTARIO LIMITED	334736
345544 ONTARIO LIMITED	345544
353281 ONTARIO LIMITED	353281
353504 ONTARIO LIMITED	353504
353558 ONTARIO LIMITED	353558
358606 ONTARIO LIMITED	358606
366719 ONTARIO LTD.	366719
373802 ONTARIO LIMITED	373802
376467 ONTARIO LIMITED	376467
380276 ONTARIO LIMITED	380276
385475 ONTARIO LTD.	385475
386747 ONTARIO LIMITED	386747
387359 ONTARIO LIMITED	387359
387673 ONTARIO LIMITED	387673
389104 ONTARIO LIMITED	389104
393048 ONTARIO LIMITED	393048
393908 ONTARIO LIMITED	393908
394546 ONTARIO LIMITED	394546
397252 ONTARIO LTD.	397252
398849 ONTARIO LIMITED	398849
400518 ONTARIO LIMITED	400518
402396 ONTARIO LIMITED	402396
406042 ONTARIO LIMITED	406042
412858 ONTARIO LIMITED	412858
413413 ONTARIO LIMITED	413413
413522 ONTARIO LIMITED	413522
413560 ONTARIO LIMITED	413560
414801 ONTARIO LIMITED	414801
416939 ONTARIO LIMITED	416939

Name of Corporation	Ontario Corp. No.
418031 ONTARIO LIMITED	418031
418885 ONTARIO LIMITED	418885
422321 ONTARIO INC.	422321
422877 ONTARIO LIMITED	422877
424053 ONTARIO LIMITED	424053
425802 ONTARIO LIMITED	425802
426661 ONTARIO LIMITED	426661
427132 ONTARIO LIMITED	427132
430093 ONTARIO INC.	430093
431672 ONTARIO LIMITED	431672
435194 ONTARIO INC.	435194
436078 ONTARIO LIMITED	436078
436638 ONTARIO INC.	436638
437794 ONTARIO LIMITED	437794
440011 ONTARIO LIMITED	440011
440443 ONTARIO LIMITED	440443
444928 ONTARIO LIMITED	444928
444988 ONTARIO LIMITED	444988
445805 ONTARIO LIMITED	445805
445843 ONTARIO LTD.	445843
445847 ONTARIO LIMITED	445847
445858 ONTARIO LIMITED	445858
445868 ONTARIO INC.	445868
445959 ONTARIO LIMITED	445959
445967 ONTARIO LIMITED	445967
445992 ONTARIO LIMITED	445992
446054 ONTARIO LIMITED	446054
446119 ONTARIO LIMITED	446119
446536 ONTARIO LIMITED	446536
446581 ONTARIO LIMITED	446581
446665 ONTARIO LIMITED	446665
446740 ONTARIO LIMITED	446740
446863 ONTARIO LIMITED	446863
447002 ONTARIO LIMITED	447002
447026 ONTARIO LIMITED	447026
447028 ONTARIO LIMITED	447028
447040 ONTARIO INC.	447040
447344 ONTARIO LIMITED	447344
447464 ONTARIO INC.	447464
447523 ONTARIO INC.	447523
447666 ONTARIO INC.	447666
447683 ONTARIO LIMITED	447683
447776 ONTARIO LIMITED	447776
447962 ONTARIO INC.	447962
447978 ONTARIO LIMITED	447978
448050 ONTARIO LIMITED	448050
448972 ONTARIO LTD.	448972
451798 ONTARIO LIMITED	451798
456817 ONTARIO LIMITED	456817
456932 ONTARIO INC.	456932
462303 ONTARIO LTD.	462303
463892 ONTARIO LIMITED	463892
464046 ONTARIO LTD.	464046
464552 ONTARIO LIMITED	464552
466348 ONTARIO LTD.	466348
477511 ONTARIO INC.	477511
480970 ONTARIO LIMITED	480970
485140 ONTARIO LIMITED	485140

E. J. WELLS, LL.B.,
Director, Companies Branch.

Cancellation of Certificates of Incorporation
(Corporations Tax Act Defaulters)

NOTICE IS HEREBY GIVEN under subsection 240 (3) of the *Business Corporations Act*, the Certificates of Incorporation of the corporations named hereunder have been cancelled by an order dated 2 April, 1984 for default in complying with the provisions of the *Corporations Tax Act*, and the said corporations have been dissolved on that date.

Name of Corporation	Ontario Corp. No.
A.B.T.T. INVESTMENTS LTD.	423945
A.C. ROLLINSON LTD.	357019
ACUMEN ELECTRIC INCORPORATED LIMITED	311572
ADANAC HOLDINGS INC.	282296
ADMIRALTY DEVELOPMENTS (NO. 2) LIMITED	330398
AFROSE PRODUCTIONS INC.	414011
AGRIPRO FEEDS LIMITED	329084
AILAT TABLES & CHAIRS LTD.	360303
AIR FLOW HEATING & COOLING LIMITED	387717
AL SUGAR CONTRACTING & EXCAVATING LIMITED	153768
ALETA IMPORTS INC.	458731
ALFALFA INVESTMENTS LIMITED	367415
ALMOR INVESTMENTS LIMITED	312570
ANATEC ANALYZER ACTUATOR TECHNOLOGY INC.	401268
ANGIE FORMING LIMITED	416937
APPKO INSURANCE AGENCIES INC.	485067
ARCHITECTURAL SCALE MODELS LIMITED	309677
ARROW CHEMIX INC.	448766
ARTS BUDGET TRAVEL LTD.	436161
AURORA JEWELLERS LIMITED	308788
AUTO FIX IT YOURSELF RENT-A-BAY LTD.	416909
BELLEVILLA NURSING HOMES INC.	295487
BERKLEY TRUCK SERVICE INC.	360420
BEVAN CONTRACTING LIMITED	273003
BLLENDE ESTATES LIMITED	359320
BOLTON CHEESE LIMITED	387385
BOTTOMLINE PRINT INC.	382693
BOTTOMS ONLY MANUFACTURING CORP.	361714
BRACKET STORE FIXTURES LTD.	361084
BRANDON MANAGEMENT SERVICES LTD.	335855
BRUCE M. FLETCHER LTD.	349103
BUNS ITALIAN DELI LTD.	493083
BUNSWORTH INC.	466486
C. H. CONKIE PAPER BOX LTD.	247147
C.O.S. MASONRY LIMITED	347646
CACEL HOLDINGS LIMITED	352713
CALHOUN'S LIMITED	18111
CAMERA HOLIDAYS SHOW INC.	423278
CANTUS (YORK) LIMITED	267768
CAPSCO DEVELOPMENTS INC.	414618
CARBERLASTY LTD.	500230
CASH'S COLONIAL LABELS (CENTRAL) LIMITED	53789
CAUSEWAY FINANCIAL CORPORATION LIMITED	148379
CEN-COR INSURANCE AGENCIES LTD.	276155
CENTURY 21 R. M. GERMAN REALTIES LTD.	276143
CERAMIC GALLERY IMPORTING CORPORATION	367741
CERANT REALTY LIMITED	307478
CHINTO CORPORATION INC.	394608
CLAUS CARS LIMITED	144738
CLEARWATER DEVELOPMENTS LIMITED	94292
CLIFFSIDE INVESTMENTS INC.	380724
COASTAL RESOURCES LIMITED	428513
COBALT FUELS LIMITED	423956

Name of Corporation	Ontario Corp. No.
COMMINS HOLDINGS LTD.	300775
COMMUNITY REFRIGERATION (1977) LTD.	357778
CONCHEY JOE DEVELOPMENTS LIMITED	371902
CONSULTANTS' CLEARINGHOUSE INC.	448341
CONTINENTAL DECORATOR FABRICS & DRAPERIES LIMITED	370666
COUNTRY CORNER SPORTS STORE LIMITED	437924
CY'S DISTRIBUTING LTD.	405018
CYRVILLE MEN'S WEAR LTD.	357684
D. & E. FLOOD ENTERPRISES LTD.	376168
DALON IMPORTS LIMITED	329697
DEYCA INC.	346036
DISCO WHEELS SKATING CENTRE LIMITED	409131
DRAGON COURT LIMITED	253420
DRAPER BROTHERS EQUIPMENT LIMITED	148118
DUNNCLIFFE INDUSTRIAL HOLDINGS LIMITED	154694
DUWAY CONSTRUCTION LIMITED	411718
E. S. WATT & SONS LIMITED	302847
EASTWARD VIEW HOLDINGS LIMITED	286348
ED GORDON SALES LIMITED	140150
ED'S PLUMBING LIMITED	240191
ELEGANCE FURNITURE INC.	286879
EN ROUTE COURIER SERVICE LTD.	473922
ERASMUS ASPARAGUS PRODUCTIONS INC.	499549
ETHERINGTON & DURFEY ENTERPRISES LTD.	383450
EUCA MANUFACTURING & SERVICE COMPANY LIMITED	387180
EUCLIDE CONSTRUCTION LTD.	368942
EUROCANADIAN DEVELOPMENTS LIMITED	264382
FARRELL'S FAST FOODS INCORPORATED	341044
FAY CONSTRUCTION LIMITED	103261
FERRO MACHINERY CO. LIMITED	81906
FIBRE-WRAP INSULATION LTD.	375301
FLAMBORO MOTORS OF WATERDOWN LIMITED	433626
FLETCHER FRAMING CONTRACTORS LIMITED	331304
FLOCAN PROPERTIES INC.	394604
FORT HOLIDAY (MADOC) LIMITED	316040
FOSTERS' RESTAURANT LIMITED	76972
FOXCREEK INVESTMENTS LIMITED	471595
FRANK DIADAMO INVESTMENTS LIMITED	405237
FRANK LONEY BRANDS INC.	403278
FRANK MACERONI PAINTING & DECORATING LTD.	436344
FRISLONE ENTERPRISES LIMITED	351707
G. I. L. CONSTRUCTION LIMITED	134918
GEORGE ANGER LIMITED	257625
GIGER PLUMBING AND HEATING LIMITED	338814
GLEN CAIRN EQUIPMENT SUPPLY LIMITED	341157
GODDARD OPTICAL LIMITED	273474
GOLDITAL HOLDINGS AND ENTERPRISES LIMITED	212939
GOWGANDA LOGGING ENTERPRISES LIMITED	438819
GRASSPOINT HOLDINGS LTD.	317583
GREEN GRASS CORPORATION	338993
GREMPBEH MANAGEMENT INCORPORATED	306181
GUNSINGER EXPLORATION LTD.	331639
GUY VEZINA LIMITED	413082
HAILEY HOLLOW MANAGEMENT LIMITED	348744
HARVEY WHITE ADVERTISING SERVICES LIMITED	218193
HEKLA INVESTMENTS LIMITED	287351
HENDERSON PICTURES LIMITED	290839
HERON CONSTRUCTION CO. LIMITED	233495
HI-D PETROLEUM LIMITED	220594
HIGH PARK SCHOOL INC.	434882
HILLY LAKE ELECTRICAL CONTRACTING LTD.	448072
HOLIDAY HOMES FOR 65 PLUS, LIMITED	128227

Name of Corporation	Ontario Corp. No.
HOLLITREE DEVELOPMENT CORPORATION LIMITED	258712
HOT BARGAINS LIMITED	390244
HOTTRAXX INC.	430426
HURON VIEW TOWERS LIMITED	138297
INTERCONTINENTAL COMMUNICATIONS SERVICES INC.	260783
INVERLEIGH CONSTRUCTION LIMITED	105559
IVAN EXCLUSIVE HAIRDRESSERS (OTTAWA) LIMITED	123415
J & F RESTAURANTS INCORPORATED	301417
J. D. CARRIER FOOTWEAR IMPORTS CANADA LIMITED	229650
J. F. PANAGAPKA LTD.	349794
J. R. MOWAT & ASSOCIATES LIMITED	150411
J.W. HEWSON FINANCIAL LTD.	409219
JACK MOCERI PLASTEING CO. LIMITED	245881
JACMO CONTRACTING COMPANY LIMITED	246151
JAMES KNARR AND ASSOCIATES LIMITED	318086
JANLAW MANAGEMENT INC.	318401
JANROB CONSULTANTS LTD.	446343
JANSA HOLDINGS LIMITED	210745
JEFMARDEN MANAGEMENT INC.	435161
JOHN WOOLLAM REAL ESTATE LTD.	278572
KAI BUS KONG INC.	578959
KEAN CONCRETE LIMITED	416710
KEEN ELECTRIC LIMITED	314705
KKK PLASTICS LIMITED	222620
KLINE FUELS LIMITED	213298
KORELLE CANADA LIMITED	351294
L. & M. APPLIANCES LIMITED	126619
L. T. PRESTON INVESTMENTS LTD.	363726
L.M.S. HOLDINGS LIMITED	346385
LANDROSE CONSTRUCTION LIMITED	272372
LARCOR DISTRIBUTION LIMITED	67801
LECHNER'S DELICATESSEN LIMITED	292755
LEG-OLAS COMPUTER SERVICES LTD.	380876
LEONARD HARRIS & ASSOCIATES LIMITED	424166
LINAMAR POLY PRODUCTS INC.	443176
LINBROUGH LIMITED	386135
LITZER ENTERPRIZES INC.	368973
LONTINI INVESTMENTS LIMITED	137396
LOR-EL CONSTRUCTION LTD.	292180
LUSH, LOVELL INSURANCE AGENCY LIMITED	382546
MAPLEWAY DEVELOPMENTS INCORPORATED	480780
MARKART DEVELOPMENTS LIMITED	285634
MATTRESS LIQUIDATORS INC.	438934
MAYNARD-BAY MARKETING LIMITED	421577
MCGILL BOYS' TOYS LTD.	451297
MEARS AND WILLIAMS LIMITED	87504
MICHAEL ROPER ENTERPRISES INC.	405885
MINDAMAR ENERGY RESOURCES LIMITED	61830
MINISTRO & SILVA INVESTMENTS LIMITED	333910
MODERN LAUNDERERS AND CLEANERS (CORNWALL) LIMITED	107763
MOEL INVESTMENTS LIMITED	285149
MOHSEN RIZK INTERNATIONAL LIMITED	284298
MOSPORT RACING SCHOOL LIMITED	240139
MYRTOS INC.	416775
NATIONAL RECREATION SERVICES LIMITED	298819
NOREMCO LEISURE PRODUCTS LIMITED	248496
NORMAN E. SHELLOWELL REAL ESTATE LIMITED	350823
NORTH PARK DRYWALL LIMITED	434586
NORTHERN DEVELOPMENT OF BRANTFORD LIMITED	304494
NU-WORLD OF HOMES INC.	365848
OGGI FASHION SHOES INC.	425173
ONTRECO DEVELOPMENT CORPORATION LIMITED	217496

Name of Corporation	Ontario Corp. No.
P. P. CAMPEA INVESTMENT CORP.	356982
P. Y. CURTIN & ASSOCIATES LIMITED	347839
PACER SHEET METAL LIMITED	311642
PALLA BROS. SHEET METAL LIMITED	226656
PAUL TATTERSALL INC.	409277
PEEL AUTO RADIO LIMITED	309640
PEPPERIDGE PROPERTIES LIMITED	282414
PETROLIA INVESTMENT CO. LIMITED	126938
PIEDMONT DEVELOPMENT CORPORATION LIMITED	201442
PLESE CONSUMERWARES CORPORATION	374045
POWERS INTERNATIONAL INC.	433026
PURPLE LANTERN (SOO) LTD.	373186
R. MUSITANO REAL ESTATE LTD.	276855
RAETEK CONSULTANTS LIMITED	299641
RAM IMPORTS INCORPORATED	307084
RI-LAB MECHANICAL LIMITED	234676
RICH-MILL CARTAGE LIMITED	234493
ROBERT B. STEWART INVESTMENTS LIMITED	352575
ROSE SNIDER (STEELES) LIMITED	213799
ROY COLLINS LIMITED	365750
ROYAL HYDROFOIL CRUISES (CANADA) LIMITED	432630
RUBBER MOULD INDUSTRIES LIMITED	234258
RUS-MUR HOLDINGS LIMITED	262634
S.B. INDUSTRIAL DISCOUNT TOOL LTD.	414318
SALONIKA IMPEX LTD.	362104
SARGENT REALTY LIMITED	113933
SCANVERTISER CANADA LIMITED	407336
SCHAR HILL FARM COMPANY LIMITED	415854
SEKAMPATS ENTERPRISES INC.	378203
SERENATA HOLDINGS LIMITED	408799
SINCLAIR'S FASHIONS LIMITED	347373
SNID-FAM INVESTMENTS LIMITED	209612
SQUARE DEAL INVESTMENTS LIMITED	292944
STANDEX INCORPORATED	394817
STAR FUR MANUFACTURING CO. LIMITED	98265
STONEHAM PRODUCTS LIMITED	145525
STUDIO 'C' PHOTOGRAPHY LIMITED	387511
SUDBURY BAKERY LIMITED	304644
SUN & SNOW LTD.	288107
SUPER-SURGE GAS COMPANY LIMITED	233742
SWEDEST HOMES INC.	361142
T. GUZZELL INVESTMENTS LIMITED	103593
TACO AMIGO BRITANNIA LIMITED	415911
TECHNICON DEVELOPMENTS INC.	469266
TERNHILL BUILDING CORPORATION	423512
THE BURGER BARON LIMITED	360356
THE GRIFFIN CONTRACTING COMPANY LIMITED	57392
THE LETTUCE PATCH INC.	399540
THE SUN HUT INC.	432522
THERMOTRON INCORPORATED	312601
THUNDERCLOUD SERVICES INC.	428777
TOEPAC HOLDINGS & CONSTRUCTION LTD.	383914
TRANSCAPITAL CORPORATION	279729
TRI-TECH INVESTMENT CORPORATION	385751
TSIN WAI CO LTD.	331211
TWEED FOREST PRODUCTS LTD.	428323
UNITED MARINE SPORTSWEAR LIMITED	223285
VAUGHAN ESTATES LIMITED	268532
VIAIR TRAVEL SERVICE LIMITED	381941
VIC'S MECHANICAL OVERLOAD LTD.	403956
WALTER SIMS LIMITED	317285
WAYLYN ELECTRONICS LTD.	408336
WHARTON MIDDLE EASTERN DEVELOPMENTS LIMITED	400311

Name of Corporation	Ontario Corp. No.
WILLOWSTONE CONSTRUCTION LIMITED	342181
WINGATE PROPERTIES INC.	353383
WORLD HOLIDAY CONNECTIONS LTD.	366486
ZUNDL ENTERPRISES LIMITED	316749
2 & 401 MOTEL LIMITED	245144
228179 NURSING HOMES LIMITED	228179
229724 HOLDINGS LIMITED	229724
233642 HOLDINGS LIMITED	233642
268132 ONTARIO LIMITED	268132
268903 ONTARIO INCORPORATED	268903
269555 ONTARIO LIMITED	269555
281985 ONTARIO LIMITED	281985
295855 ONTARIO INC.	295855
312014 ONTARIO LIMITED	312014
330023 ONTARIO LTD.	330023
348124 ONTARIO LIMITED	348124
353079 ONTARIO LIMITED	353079
355454 ONTARIO LIMITED	355454
360552 ONTARIO LIMITED	360552
360782 ONTARIO INC.	360782
363812 ONTARIO LIMITED	363812
368304 ONTARIO LIMITED	368304
369854 ONTARIO LIMITED	369854
374143 ONTARIO LTD.	374143
375120 ONTARIO LIMITED	375120
385281 ONTARIO LTD.	385281
385450 ONTARIO LIMITED	385450
385588 ONTARIO LIMITED	385588
387086 ONTARIO LIMITED	387086
389032 ONTARIO LIMITED	389032
392295 ONTARIO LIMITED	392295
394549 ONTARIO INC.	394549
394957 ONTARIO LIMITED	394957
400542 ONTARIO LIMITED	400542
405282 ONTARIO LIMITED	405282
406251 ONTARIO LIMITED	406251
407440 ONTARIO LTD.	407440
407904 ONTARIO LIMITED	407904
409185 ONTARIO LIMITED	409185
415511 ONTARIO LIMITED	415511
415611 ONTARIO LIMITED	415611
415919 ONTARIO LIMITED	415919
421637 ONTARIO LIMITED	421637
425001 ONTARIO LIMITED	425001
428284 ONTARIO LIMITED	428284
429226 ONTARIO LIMITED	429226
429246 ONTARIO LIMITED	429246
429680 ONTARIO LIMITED	429680
430584 ONTARIO LIMITED	430584
439242 ONTARIO LIMITED	439242
445961 ONTARIO LIMITED	445961
447046 ONTARIO LIMITED	447046
453735 ONTARIO INC.	453735
456586 ONTARIO LIMITED	456586
461495 ONTARIO LIMITED	461495
475520 ONTARIO INC.	475520
475526 ONTARIO INC.	475526
475527 ONTARIO INC.	475527
479281 ONTARIO LIMITED	479281
481646 ONTARIO LIMITED	481646
880 OUELLETTE AVENUE WINDSOR LIMITED	213741

Applications to Parliament — Private Bills

PUBLIC NOTICE

LEGISLATIVE ASSEMBLY OF ONTARIO

The attention of Municipal Officials, Solicitors and all other persons who may be interested in the preparation of Private Bills for submission to the Legislative Assembly of Ontario is directed particularly to the following Standing Orders governing the submission of such Bills:

NOTE: The previous Standing Orders of the Legislative Assembly have been repealed and the following put into effect by Order of the House passed on Thursday, December 14th, 1978, and on Tuesday, May 13th, 1980.

Attention is drawn to the more important changes:—

- No time limit.
- No penalties for late filing.
- Required notice of advertising reduced to four weeks from six weeks.

PRIVATE BILLS

Filing Bill with Clerk

65. (a) Any person, group or corporation may apply for a Private Bill by filing with the Clerk of the House a copy of the Bill together with a fee of \$150.00.

Applicant to pay cost of printing

(b) Every applicant for a Private Bill shall pay the cost of printing the Bill, including the cost of printing the Act in the annual Statutes.

Other charges

(c) Where a Standing Order is suspended with reference to a Bill, a charge of \$50.00 shall be levied.

Additional fees

(d) Where a Bill incorporates a company, or increases the capital stock of a company already incorporated, there shall be paid to the Clerk of the House, by or on behalf of the applicant, before the same is reported to the House, the same fee as would be payable in the case of an incorporation or increase of capital under The Business Corporations Act, less the sum of \$150.00 already paid to the Clerk of the House.

(e) When a Bill is for the purpose of confirming by-laws, bonds, debentures or other securities, or authority is asked to borrow money or to increase borrowing powers, the following additional fees shall be paid according to the amount of money involved:—

On amounts less than \$10,000	\$ 25
On amounts over \$10,000 and up to \$25,000	50
On amounts over \$25,000 and up to \$40,000	75
On amounts over \$40,000 and up to \$75,000	100
On amounts over \$75,000 and up to \$125,000	125
On amounts over \$125,000 and up to \$175,000	150
On amounts over \$175,000 and up to \$250,000	200
On amounts over \$250,000 and up to \$350,000	250
and an additional fee of \$50 for every \$100,000 over \$350,000.	

Publication of Standing Orders re Private Bills

(f) The Clerk of the House shall publish weekly in *The Ontario Gazette* the Standing Orders respecting applications for Private Bills.

Required notice of applications

(g) Notice of an application for a Private Bill shall be given before it is referred to a Standing Committee by publishing it once a week for at least four weeks in each of *The Ontario Gazette* and one newspaper circulated in the municipality most affected and the notice shall,

- (i) be signed by or on behalf of the applicant;
- (ii) clearly state the nature and object of the application;
- (iii) when the application refers to any proposed work, indicate generally the location of the work; and

Bills for debenture issues

(iv) where the application is by a municipal corporation for authority to issue debentures, set out the particulars of the existing debenture debt and the amount of the rateable property of the municipality according to the last revised assessment roll of the corporation and in brief and general terms, the object for which the new issue of debentures is required.

Clerk reports to Standing Procedural Affairs Committee

66. (a) The Clerk of the House shall refer to the Standing Procedural Affairs Committee any application that, in his opinion, does not comply with the Standing Orders.

Declaration re advertising

(b) The applicants for a Private Bill shall lodge with the Clerk of the House a declaration proving publication of the notice.

Letters Patent

67. When any Bill for confirming any Letters Patent, or Agreement, is presented to the House, the copy of such Charter or Agreement, shall be attached to it.

Certificate of Minister of Revenue re Letters Patent

68. No Bill relating to the status of a corporation shall be considered by any Committee until there

has been deposited with the Clerk of the House a certificate of the Minister of Revenue showing that all taxes payable under The Corporations Tax Act in respect of the corporation have been paid.

Reference to Standing Committee after first reading. Exceptions

69. Every Private Bill when read a first time, shall, unless it is an Estate Bill, or a Bill providing for a consolidation of a floating debt or for the consolidation or renewal of debentures (other than local improvement debentures) of a municipal corporation, stand referred to the appropriate Standing Committee, and any Petitions to the House for or against the Bill stand referred to any such Committee.

Certain Municipal Applications referred to Ontario Municipal Board

70. (a) A Private Bill of a municipal corporation providing for the consolidation of a floating debt, or the consolidation or renewal of debentures (other than local improvement debentures) stand referred to the Ontario Municipal Board after first reading.

Board to report

(b) The Board, after due enquiry, shall report to the House whether or not it is reasonable that the Bill, or that part thereof relating to the matters referred to in clause (a), should pass and what, if any, alterations should be made in the Bill.

Report to Clerk

(c) A report shall be transmitted to the Clerk of the House.

Bill and report to Standing Committee

(d) The Bill and report shall stand referred to the appropriate Standing Committee.

Estate Bills referral

71. (a) Every Estate Bill or part of a Bill that contains an Estate Bill provision stands referred to the Commissioners of Estate Bills after first reading.

Report of Commissioners

(b) The Commissioners of Estate Bills, or any two of them, shall report their opinion on the Bill or the part thereof that has been submitted to them, and whether, presuming the allegations contained in the Preamble to be proven to the satisfaction of the House, it is reasonable for the Bill or the part thereof to pass and what, if any, alterations are necessary.

Report sent to Clerk

(c) A report of the Commissioners of Estate Bills shall be transmitted to the Clerk of the House.

Effect of adverse report

(d) Where the Commissioners of Estate Bills report that, in their opinion, it is not reasonable that the Bill or the part thereof submitted to them pass into law, the Bill or the part thereof shall not be further considered.

Bill and report to Committee

(e) Where the Bill or the part thereof submitted to the Commissioners of Estate Bills is reported favourably by the Commissioners, the Bill and the report shall stand referred to the appropriate Standing Committee and where only part of a Bill is submitted to the Commissioners and the Commissioners report that, in their opinion, it is not reasonable that the part pass into law, the Bill, except for the part to which the report applies, shall stand referred to the appropriate Committee.

Notice re Hearing by Standing Committee

72. (a) The Clerk of the House shall post on all notice boards five days notice of the date on which any Private Bill is to be considered by a Committee and the notice shall be published in the Notice Paper.

Notice of Next Day Meetings on Private Bills

(b) The Clerk shall also publish in the Notice Paper a notice of any meeting of a Committee to consider Private Bills to be held on the following day.

Consent of interested persons

73. Any person whose interest or property may be affected by a Private Bill, when required, shall appear before the Committee considering the Bill to express his consent or objection, or may consent in writing, proof of which may be demanded by the Committee.

On Order Paper after report

74. Private Bills when reported by Standing Committees shall be placed on the Order Paper for second reading.

Bills initialled and signed by Chairman

75. (a) The Chairman of a Committee considering a Private Bill shall initial each section of the Bill as it is passed and sign the Bill.

Amendments

(b) Amendments shall be clearly indicated in the signed copy, and the amendments or additions shall be initialled by the Chairman.

Reprinting amended Bills

76. Private Bills amended by a Committee or the Commissioners may be reprinted before further consideration as the Clerk of the House may direct and the applicant shall pay the cost of printing the Bill.

Referral after second reading

77. Private Bills, after second reading, shall be ordered for third reading, unless specially ordered referred to the Committee of the Whole House.

Notice required to dispense with Standing Orders

78. Except by unanimous consent of the House given in case of urgent and pressing necessity, no

motion may be made to dispense with any Standing Order relating to Private Bills without due notice thereof.

Private Bill Register

79. A Private Bill Register shall be kept in the office of the Clerk of the House, in which shall be entered, by the Clerk appointed for that purpose, the name, description, and place of residence of the parties applying for the Bill, or of their agent, and all the proceedings thereon, such register to be open to public inspection daily, during office hours.

Parliamentary Agents

80. (a) Every Parliamentary Agent conducting proceedings before the House is personally responsi-

ble to the House and to the Speaker for the observance of the Standing Orders and Practices of Parliament, and also for the payment of all fees and charges.

Misconduct of Agent

(b) Any agent who wilfully acts in violation of the Standing Orders and Practices of Parliament, or who wilfully misconducts himself in prosecuting any proceedings before the House, is liable to an absolute or temporary prohibition to practise as a Parliamentary Agent, at the pleasure of the Speaker.

RODERICK LEWIS, Q.C.,
Clerk of the Legislative Assembly of Ontario.

Petitions to Parliament

Extract from the rules respecting the presentation of petitions

Form

29. (c) Petitions may be either written or printed and only the original, properly signed, and addressed to the Lieutenant Governor and the Legislative Assembly need be presented.

May not be
signed by
solicitor.
Exceptions

(d) Petitions may not be signed by a solicitor as such, unless he is acting for a petitioner unable to sign due to absence from the Province or illness, and only then if the solicitor holds a Power of Attorney to be produced to the Clerk of the House if required.

Members
responsible
for contents

(e) Members presenting petitions are answerable that they do not contain any improper matter.

No petitions
for expendi-
ture of
public funds

(f) No petition can be received which prays for any expenditure, grant or charge on the public revenue, whether payable out of the Consolidated Revenue Fund, or out of moneys to be provided by the House.

SAMPLE FORM FOR PETITIONS

*To the Honourable the Lieutenant Governor and the
Legislative Assembly of Ontario:*

We, the undersigned, beg leave to petition the Parliament of Ontario, as follows:

NOTE: The subject of the Petition must relate to a grievance within the competence of the Assembly to remedy and must not pray for any expenditure, grant or charge on the public revenue.

The Member of the House presenting the Petition for the petitioners must endorse his name thereon and be answerable that it contain no improper matter.

RODERICK LEWIS, Q.C.,
Clerk of the Legislative Assembly of Ontario.

Applications to Parliament

NOTICE IS HEREBY GIVEN that on behalf of the *Ontario Association of Certified Engineering Technicians and Technologists* application will be made to the Legislative Assembly of the Province of Ontario at a regular session in 1984 for an Act to continue the said Association as a private act corporation, and to give to its members the exclusive rights to use the designations "Certified Engineering Technician" or "Certified Engineering Technologist".

Any person wishing to make submissions to the Legislative Assembly with respect to this application should write to the Clerk of the Legislative Assembly, Queen's Park, Toronto, Ontario M7A 1A2.

Dated at Toronto, this 12th day of March, 1984.

G. W. BRADBURY,
President, Ontario Association of
Certified Engineering
Technicians and Technologists.

(6927) 14 to 17

CITY OF TORONTO SUPPLEMENTARY NOTICE OF APPLICATION FOR SPECIAL LEGISLATION

NOTICE IS HEREBY GIVEN that, on behalf of The Corporation of the City of Toronto, application will be made to the Legislative Assembly for the Province of Ontario, for Special Legislation to provide:

1. That, where an owner destroys trees or other natural vegetation or carries out any work in breach of a by-law respecting ravine land, the City may, in addition to all other remedies and without liability to compensate the owner or any other person, perform any work required to restore the land to its former condition, and the City shall have a lien for and may collect in the same manner as municipal real property taxes any amount expended in respect of such work and an administrative fee not to exceed ten per cent of such amount, together with interest thereon at a rate to be fixed by the City.

2. That the City may enforce a by-law respecting ravine land in the same manner as a by-law passed under the authority of the *Municipal Act*, and any such by-law may impose penalties of not more than \$25,000.00, exclusive of costs, to be determined in accordance with a formula in such by-law, for the contravention of a provision regarding destruction of trees and penalties of not more than \$2,000.00, exclusive of costs, for the contravention of any other provision thereof.

3. That the City may appoint the persons who are not members of the council to a planning advisory committee under the *Planning Act, 1983* or any amendment thereto or successor thereof for terms of three years in rotation, so that as nearly as possible one-third of such members shall retire each year.

This application will be considered by a Standing Committee of the Legislative Assembly. Any person who has an interest in the application and who wishes to make submissions, for or against the application, to

the Standing Committee should notify, in writing, the Clerk of the Legislative Assembly, Queen's Park, Toronto, Ontario, M7A 1A2.

Dated at Toronto, this 2nd day of April, 1984.

W. R. CALLOW, Q.C.,
City Hall,
100 Queen Street West,
Toronto, Ontario M5H 2N2.

Solicitor for the Applicant,
THE CORPORATION OF THE

(6978) 14 to 17 CITY OF TORONTO.

THE CORPORATION OF THE CITY OF WINDSOR

APPLICATION FOR PRIVATE LEGISLATION

NOTICE IS HEREBY GIVEN that on behalf of The Corporation of the City of Windsor application will be made to the Legislative Assembly of the Province of Ontario at its next regular session commencing in 1984 for an Act

(1) (a) to require that the owner or operator of a public garage used as a motor vehicle repair shop shall not commence repair of a motor vehicle until the customer has been provided with,

(i) a written statement that the cost of repairs and parts will not exceed \$30 where the estimated cost of repairs and parts is \$30 or less; or

(ii) a written estimate of the cost of repairs and parts where the estimated cost of repairs and parts is more than \$30.

(2) The customer in writing may authorize the owner or operator to effect repairs and supply parts in an amount not exceeding a stipulated sum of money.

(3) The operator shall not charge for work done or parts supplied in excess of the written estimate or in excess of the stipulated limit stated by the customer without the written or oral consent of the customer.

(4) If the customer is informed that the cost of repair will exceed the written estimate or the stipulated limit and the customer does not wish the repair work performed, the customer is liable for all reasonable costs incurred in returning the motor vehicle to a condition it was in when it entered the public garage and the customer shall be given an itemized, written statement of such work.

(5) If the estimated price or stipulated limit is exceeded by not more than ten per cent, the written or oral consent of the customer for the excess charge need not be obtained.

(6) This section does not apply where the customer requests and executes a release, in writing, of the requirements of this Section or of a by-law passed under this Section.

2.—(1) That the Council of the Corporation may pass by-laws

(a) for prescribing standards for the cutting of grass on occupied and vacant property and

on that part of the street right-of-way extending from the property line to the curb or, where there is no curb, to the edge of the travelled portion of the highway;

- (b) for requiring that the owners or tenants of land in the City of Windsor shall keep the lands surrounding all buildings or structures free and clear from debris or refuse and to cut the grass in accordance with prescribed standards and to keep vacant lands free and clear of debris or refuse and cut the grass in accordance with prescribed standards and to keep the street right-of-way, extending from the property line to the curb or, where there is no curb, to the edge of the travelled portion of the highway, free and clear of debris and to cut the grass thereon in accordance with prescribed standards and to keep the alley and lanes alongside or at the rear of lands free and clear of debris or refuse.

(2) If, after inspection, an officer, meaning a person from time to time designated by the Council of the Corporation to enforce the provisions of a by-law passed under this provision, is satisfied that in some respect the property does not conform with the standards prescribed in the by-law, a notice shall be served or sent by certified mail to the owner or tenant of the property containing particulars of the non-conformity.

(3) After affording any person served with a notice provided for in subsection (2) an opportunity to appear before the officer and to make representations in connection therewith, the officer may make and serve or cause to be served upon or sent by certified mail to such person an order containing

- (a) the municipal address or legal description of such property;
- (b) a direction that lands, alleys or lanes are to be cleared of all debris or refuse and the cutting of the grass and the period in which there must be compliance with the terms and conditions of the direction and notice that if such clearing of debris or refuse and cutting of grass is not so done within the time specified in the order, the municipality may carry out the clearing of the debris or refuse and the cutting of the grass at the expense of the owner or tenant.

(4) A notice or order under subsections (2) or (3) when sent by certified mail shall be sent to the last known address of the person to whom it is sent, and if the officer is unable to effect service, he shall place a placard containing the terms of the notice or order in a conspicuous place on the property and the placing of the placard shall be deemed to be sufficient service of the notice or order upon the owner or tenant.

(5) Where the municipality removes debris or refuse or cuts the grass, the municipality may recover the expense incurred in respect thereof by any and all the methods prescribed in Section 325 of the *Municipal Act*.

(6) Section 2 of the *City of Windsor Act, 1956* will be repealed.

3. The Council of the Corporation may pass by-laws for requiring and regulating the posting of signs in those school buses and in those parts of buildings and structures to which the public has access advising the public that smoking is prohibited in school buses and in all or part of such buildings or structures, and the municipality shall have the power to inspect, at any reasonable time, school buses and those parts of buildings or structures to which the by-law applies.

4. The *City of Windsor Act, 1982*, providing for the payment of the whole or part of the cost of the Ontario Health Insurance Plan and of any supplementary health insurance plan, is amended to clarify that the coverage includes retired employees, their spouses and dependants, and the spouses and dependants of deceased employees.

5.—(1) The municipality may pass by-laws for licensing, regulating and governing persons whose names are entered on the assessment roll for the first time in respect of business assessment and who offer goods, wares or merchandise for sale, and sales persons who assist transient traders and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment.

(2) By-laws may be passed for requiring the payment of a licence fee by sales persons who assist transient traders and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment.

(3) The fee to be paid for licence in the case of a transient trader and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment who offer goods, wares or merchandise for sale shall be equal to one-half of one per cent of the regular retail value or merchandise made available for sale at a sales event, provided, however, that the fee shall not be less than \$500 and not more than \$5,000, and the fee to be paid for licence in the case of sales persons who assist transient traders and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment shall be \$100. "Sales event" means the sale of goods on the number of days, excluding Sundays and holidays, listed on the application filed with the Licence Commissioner, provided, however, that a sales event conducted by a transient trader shall not exceed 90 days.

(4) The section does not apply to the sale of stock of a bankrupt or an insolvent within the meaning of any Bankruptcy or Insolvency Act in force in Ontario, nor to the sale of any stock damaged by or by reason of fire which is being sold or disposed of within the municipality in which the business is carried on at the time of bankruptcy, insolvency or fire so long as no goods, wares or merchandise are added to such stock.

(5) The sum paid for a licence shall be credited to the person paying it, or to any bona fide purchaser of the business who carries on the business on account of taxes payable in respect of the business and in respect of real property taxes on the land used for the purpose of, or in connection with the business if the land is owned by the person carrying on the business during the year in which the licence was issued and five years thereafter.

This application will be considered by a Standing Committee of the Legislative Assembly. Any person who has an interest in the application and who wishes to make submissions, for or against the application, to the Standing Committee should notify, in writing, the Clerk of the Legislative Assembly, Queen's Park, Toronto, Ontario, M7A 1A2.

Dated at Windsor, this 11th day of April, 1984.

(7079) 17 to 20 A. S. KELLERMAN,
Solicitor,
The Corporation of the
City of Windsor.

Corporation Notices

EAGLE SECURITY GUARD SERVICES LTD.

NOTICE IS HEREBY GIVEN that Eagle Security Guard Services Ltd. intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated this 4th day of April, 1984.

(7065) 17 MITRE BOSEOVSKI,
President.

THE SCHOOL OF THE TORONTO DANCE THEATRE

NOTICE IS HEREBY GIVEN that the number of directors of The School of the Toronto Dance Theatre (the "Corporation") was decreased from 15 to 10 directors by a special resolution which was confirmed by the members of the Corporation on the 21st day of March, 1984.

(7066) 17 DAVID P. DIXON,
President.

NOTICE IS HEREBY GIVEN that Key Insulation Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the Ontario *Business Corporations Act, 1982*.

Dated at Hamilton, this 29th day of March, 1984.

(7067) 17 RICHARD KOVACSIK,
Director.

NOTICE IS HEREBY GIVEN that 360392 Ontario Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the Ontario *Business Corporations Act, 1982*.

Dated at Toronto, this 29th day of March, 1984.

(7068) 17 MARCELLA SWARTZ,
Secretary.

BILZEN INVESTMENTS LIMITED

NOTICE IS HEREBY GIVEN that Bilzen Investments Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated this 12th day of April, 1984.

MESSRS. JASKULA, SHERK,
P.O. Box 60,
Station B,
678 Main Street East,
Hamilton, Ontario L8L 7V7,
Solicitors for Bilzen
Investments Limited.

(7069) 17

YONGE STEELES MOTORS LIMITED

NOTICE IS HEREBY GIVEN that Yonge Steeles Motors Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Toronto, this 30th day of September, 1983.

(7070) 17 BILL POPOVICH,
Secretary.

KOWA LEASEHOLDS LIMITED

NOTICE IS HEREBY GIVEN that Kowa Leaseholds Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Sarnia, Ontario, this 10th day of April, 1984.

(7071) 17 MARGARET KOHLMEIER,
Secretary.

NOTICE IS HEREBY GIVEN that 577375 Ontario Limited intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated this 28th day of February, 1984.

(7072) 17 VINCENZO GUIDA,
President.

WESLEY J. SNIHUR FUELS LTD.

NOTICE IS HEREBY GIVEN that Wesley J. Snihur Fuels Ltd. intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations pursuant to the *Business Corporations Act*.

Dated this 28th day of April, 1984.

(7073) 17

NOTICE IS HEREBY GIVEN that 356529 Ontario Limited intends to dissolve effective April 30th, 1984, pursuant to the *Business Corporations Act*.

Dated at Gananoque, this 12th day of April, 1984.

(7074) 17 JOHN J. KANARENS,
President.

WESTOD LIMITED

NOTICE IS HEREBY GIVEN that Westod Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Windsor, Ontario, this 10th day of April, 1984.

(7080) 17 OSCAR POSEN,
President.

TAKE NOTICE that Frank Garofalo Pizza Ltd. intends to file Articles of Dissolution.

Dated at Havelock, this 11th day of April, 1984.

ROSE CATANIA,
Secretary.

(7081) 17

NORTH HUDSON DEVELOPMENTS LIMITED

NOTICE IS HEREBY GIVEN that North Hudson Developments Limited intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated at Toronto, this 12th day of April, 1984.

NORTH HUDSON
DEVELOPMENTS LIMITED,
By its Solicitors,
ATLIN, GOLDENBERG,
439 University Avenue,
Suite 2200,
Toronto, Ontario M5H 1Y8.

(7082) 17

SALTER TOYS LIMITED

NOTICE IS HEREBY GIVEN that Salter Toys Limited intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated at Toronto, this 9th day of April, 1984.

JOHN ARTHUR BECKLEY,
Secretary-Treasurer.

(7083) 17

BRUNETTA BROTHERS LIMITED

NOTICE IS HEREBY GIVEN that Brunetta Brothers Limited intends to surrender its charter to the Lieutenant Governor and to distribute its assets rateable among its shareholders as incidental thereto.

Dated at Fort Frances, Ontario, this 5th day of April, 1984.

ALBERT BRUNETTA,
Secretary.

(7084) 17

HURONIA SMALL BUSINESS DEVELOPMENT CORPORATION LTD.

NOTICE IS HEREBY GIVEN that Huronia Small Business Development Corporation Ltd. intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated at Midland, this 12th day of April, 1984.

FREDERICK W. HACKER,
Secretary.

(7090) 17

TRAFIELD HOLDINGS LIMITED

NOTICE IS HEREBY GIVEN that Trafiefield Holdings Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the *Business Corporations Act, 1982*.

Dated at Ottawa, this 30th day of March, 1984.

(7091) 17

PUBLIC NOTICE

The Corporation known as the Ottawa and District Community Health Centre Foundation (Ontario Corporation No. 237067), hereby serves notice of its

intention to surrender its Charter/terminate its Corporate existence.

Dated April 28th, 1984.

(7092) 17

Dissolution of Partnership

NOTICE TO PUBLIC

NOTICE IS HEREBY GIVEN that the partnership herebefore subsisting between us, the undersigned Gerald Cardella and John Cardella, and Carl Cardella, carrying on business as Carl Cardella and Partners, has this day been dissolved by virtue of the undersigned having given notice of dissolution pursuant to the *Partnership Act, R.S.O. 1980, c. 370*.

All debts owing to the said partnership are to be paid to John Cardella at 7431 Bybrook Drive, Mississauga, Ontario, aforesaid, and all claims are to be presented to the said John Cardella, by whom they will be settled.

Dated this 28th day of March, 1984.

JOHN CARDELLA
GERALD CARDELLA

(7075) 17

NOTICE TO PUBLIC

NOTICE IS HEREBY GIVEN that the partnership herebefore subsisting between us, the undersigned Gerald Cardella and John Cardella, and Carl Cardella, carrying on business as North Wind Farm and Partners, has this day been dissolved by virtue of the undersigned having given notice of dissolution pursuant to the *Partnership Act, R.S.O. 1980, c. 370*.

All debts owing to the said partnership are to be paid to John Cardella at 7431 Bybrook Drive, Mississauga, Ontario, aforesaid, and all claims are to be presented to the said John Cardella, by whom they will be settled.

Dated this 28th day of March, 1984.

JOHN CARDELLA
GERALD CARDELLA

(7076) 17

NOTICE OF DISSOLUTION AND CONTINUANCE

TAKE NOTICE that on November 30, 1983, the general partnership formed under the laws of the Province of Ontario by Basse-Terre Investments and Enterprises Limited and Steveran Investment Company Limited (Ronald Kauder, President) which carried on business under the name of Sanitary Maintenance Systems was dissolved.

AND TAKE FURTHER NOTICE that the business formerly carried on by Basse-Terre Investments and Enterprises Limited and Steveran Investment Company Limited (Ronald Kauder, President) under the name Sanitary Maintenance Systems was continued after November 30, 1983, by, and is now being conducted by, Steveran Investment Company Limited

(Ronald Kauder, President) and 549378 Ontario Limited in partnership under the firm name and style of Sanitary Maintenance Systems.

Dated April 6, 1984.

BASSE-TERRE INVESTMENTS
AND ENTERPRISES LIMITED,
by its President,
JOHN PIPER,

STEVERAN INVESTMENT
COMPANY LIMITED,
by its President,
RONALD KAUDER.

(7085) 17

Change of Name Act

NOTICE IS HEREBY GIVEN that the application of Edward John Bruce Hore, residing at 685 Adelaide St. West, to change Edward John Bruce Hore to Edward John Bruce King will be heard by the presiding Judge in the New Court House, 361 University Ave., Toronto, on April 25, 1984 at the hour of 9:30 in the forenoon.

(7086) 17

TAKE NOTICE that an application will be made by Walter Samuel Wilson of 18 Isabel Street, St. Thomas, Ontario, before the presiding Judge in Chambers at the Court House, 4 Wellington Street, St. Thomas, Ontario, on Monday, June 18, 1984, at the hour of 10:00 o'clock in the forenoon for an order changing his name to Samuel John Bradica.

ARNOLD B. WALKER,
Barrister and Solicitor,
555 Talbot Street,
St. Thomas, Ontario.

(7087) 17

TAKE NOTICE that an application will be made before the presiding Judge in Chambers, at the Court House, 361 University Avenue, Toronto, Ontario on Friday, the 18th day of May, 1984, or so soon thereafter as the case may be heard, for an Order to change the name of Ione Gwendolyn Marie Puchalski to Ione Gwendolyn Marie Puchalski-Yehia.

Dated at Toronto, this 19th day of April, 1984.

(7094) 17

NOTICE IS HEREBY GIVEN that the application of Scott Charles Rouleau, residing at 841 Merritt Drive, in the Town of Milton, in the Regional Municipality of Halton, to change his name to Scott Howell Clost will be heard by the presiding Judge in Chambers at the County Court House, 491 Steeles Avenue, in the Town of Milton, in the Regional Municipality of Halton, on the 10th day of May, 1984, at 10:00 o'clock in the forenoon or so soon thereafter as Counsel can be heard.

Dated at Milton, this 29th day of March, 1984.

FURLONG & COLLINS,
Barristers and Solicitors,
Suite 27,
55 Ontario Street South,
Milton, Ontario L9T 2M3,
Solicitors for the Applicant.

(7095) 17

IN THE DISTRICT COURT OF THE DISTRICT OF KENORA

IN THE MATTER OF the *Change of Name Act*, R.S.O. 1980, Chapter 62, and Amendments thereto.

AND IN THE MATTER OF an application by Albert Maurice Kinger of the Town of Kenora, in the District of Kenora for an Order changing his name to Albert Maurice Derouard.

NOTICE OF APPLICATION FOR CHANGE OF NAME

TAKE NOTICE that a motion will be made to the Court on behalf of the applicant at Kenora, Ontario, on Thursday, the 10th day of May, 1984, at 9:30 o'clock in the forenoon or so soon thereafter as counsel can be heard for an Order changing the name of Albert Maurice Kinger to Albert Maurice Derouard.

Dated at Kenora, Ontario, this 11th day of April, 1984.

HOOK & SELLER,
Barristers and Solicitors,
35 Main Street South,
Kenora, Ontario,
Solicitors for the Applicant.

(7096) 17

Miscellaneous Notices

IN THE MATTER OF the *Cemeteries Act*, R.S.O. 1980, Chapter 59;

AND IN THE MATTER OF the isolated burials in that parcel or tract of land situate in the Township of Glanbrook, in the Regional Municipality of Hamilton-Wentworth (formerly in the Township of Binbrook, in the County of Wentworth) being that portion of Lot 6, Block 5, Concession 3 designated and known as "THE BARLOW CEMETERY".

NOTICE

TAKE NOTICE that the Barlow Cemetery was declared closed by Ontario Regulation No. 763/83 dated the 1st day of December, 1983 and filed the 5th day of December, 1983; therefore, no further interments shall take place therein.

AND FURTHER TAKE NOTICE that the Corporation of the Township of Glanbrook intends to apply to the Lieutenant-Governor-in-Council for an order directing the removal of the bodies found in the Barlow Cemetery for re-interment in an established cemetery; namely, the Binbrook Baptist Cemetery located in Binbrook Village being Part of Lot 1, Block 4, Concession 3, Binbrook, now in the Township of Glanbrook.

Dated at Glanbrook, this 20th day of March, 1984.

CRAIG SWITZER,
Clerk,
The Corporation of the
Township of Glanbrook,
Mount Hope, Ontario L0R 1W0.

(6961) 14 to 17



THE CORPORATION OF THE
CITY OF SUDBURY

NOTICE OF REDEMPTION TO THE
HOLDERS OF THE CORPORATION OF THE
CITY OF SUDBURY 8½% DEBENTURES DUE
JUNE 1, 1991 ISSUED BY THE AUTHORITY
OF BY-LAW #71-106

WHEN DEBENTURES WERE ISSUED UNDER
AUTHORITY OF BY-LAW #71-106, A CERTAIN
NUMBER WERE ISSUED FOR A TWENTY (20)
YEAR TERM SUBJECT TO A MANDATORY
REDEMPTION ANNUALLY OF A SPECIFIED
PRINCIPAL AMOUNT ON THE ANNIVERSARY
DATE.

NOTICE IS HEREBY GIVEN that, pursuant to the
provisions of the debentures of the above described
issued, \$99,000. principal amount of said debentures
has been drawn by lot for redemption on 1984-06-01
(the 'redemption date') at 100% of the principal
amount thereof, with the result that the principal
amount set out below of each of the following fully
registered debentures will be redeemed on said date,
namely:

Debenture #	Principal Amount To Be Redeemed
140	\$10,000.
121	10,000.
139	10,000.
142	10,000.
149	10,000.
176	10,000.
151	10,000.
109	5,000.
110	5,000.
094	5,000.
041	1,000.
026	1,000.
042	1,000.
044	1,000.
074	1,000.
015	1,000.
043	1,000.
012	1,000.
070	1,000.
050	1,000.
054	1,000.
051	1,000.
092	1,000.
076	1,000.

The principal amount to be redeemed of each of
the debentures specified will be paid on or after the
Redemption Date upon presentation and surrender
of the said debenture at the principal office of the
Royal Bank of Canada in any of the Cities of Sud-
bury, Toronto or Montreal, Canada, at the holder's

option. INTEREST ON THE DEBENTURES
CALLED FOR REDEMPTION WILL CEASE TO
ACCRUE AFTER THE REDEMPTION DATE.

(7088) 17

IN THE SUPREME COURT OF ONTARIO

IN THE MATTER OF that parcel or tract of land,
situate, lying and being in the Township of Beau-
cage, in the Nipissing Indian Reserve in the District
of Nipissing, Ontario containing Seventeen acres
and fifty-seven hundredths of an acre be the same
more or less, composed of Lot Number Eight (8),
Concession One (1), in the said Township and
described as follows: All that tract of land lying west
of Laronde Creek, bounded on the North by Lot
Eight (8), Concession Two (2), on the west by Lot
Nine (9), Concession One (1), in the said Township,
and on the south by the Trunk Road excepting
thereout the right of way of the Canadian Northern
Railway. Reserving thereout and therefrom five per
cent (5%) of the area of the land hereby granted for
roads, and the right of the Crown to lay out roads,
where necessary.

AND IN THE MATTER OF the *Quieting Titles Act*,
R.S.O. 1980, Chapter 427, Section 2.

NOTICE

NOTICE IS HEREBY GIVEN that Phil Goulais, Chief,
Fred McLeod, Emery McLeod, Donald Couchie,
Isidore Beaucage, Gerald Beaucage, Roy McLeod,
Councillors for themselves and the Nipissing Band of
Ojibways have made an application to the Supreme
Court of Ontario for a Certificate of Title to the above
mentioned property under the *Quieting Titles Act* and
have produced evidence whereby they appear to have
an estate or interest in land, free from all encum-
brances;

WHEREFORE, any other person, having or pretend-
ing to have any title to or interest in the said lands or
any part thereof is required on or before Wednesday,
the 23rd day of May, 1984 to file a Statement of his
claim verified by Affidavit in my office at 390 Plouffe
Street, North Bay, Ontario and to serve a copy on the
said Phil Goulais, Chief, Fred McLeod, Emery
McLeod, Donald Couchie, Isidore Beaucage, Gerald
Beaucage, Roy McLeod, Councillors for themselves
and the Nipissing Indian Band of Ojibways or Pierre
T. Legault, their solicitor at his office at 49 Queen
Street, Sturgeon Falls, Ontario, and in default, every
such claim will be barred and the title of the said Phil
Goulais, Chief, Fred McLeod, Emery McLeod,
Donald Couchie, Isidore Beaucage, Gerald Beaucage,
Roy McLeod, Councillors for themselves and the
Nipissing Indian Band of Ojibways becomes absolute
and indefeasible at law and inequities subject only to
the Reservation mentioned in Section 22 of the said
Act therein mentioned.

Dated at North Bay, this 9th day of April, 1984.

ROBERT PERRAS,
Local Referee of Titles.

(7089) 17

Sheriffs' Sales of Lands

UNDER AND BY VIRTUE OF an Execution issued out of the Supreme Court of Ontario, to me directed, against the lands and tenements of Francisco Albino, Defendant, at the suit of Maria Costa, Plaintiff, I have seized and taken in execution all the right, title, interest and equity of redemption of Francisco Albino, Defendant, in and to:

All and Singular that certain parcel or tract of land and premises situate, lying and being in the Borough of North York in the County of York and being the whole of Lot 355 according to Plan M.1372 filed in the Office of Land Titles at Toronto.

Municipally known as 121 Van Horne Avenue, Willowdale, Ontario, on the premises is said to be erected a detached, two-storey, brick dwelling.

All of which said right, title, interest and equity of redemption of Francisco Albino, Defendant, in the said lands and tenements, I shall offer for sale by public auction in my Office, Room 108, Court House, 361 University Ave., Toronto, Ontario, on Friday, June 1, 1984, at 1:00 o'clock in the afternoon.

Dated at Toronto, this 16th day of April, 1984.

Terms: Cash or certified cheque.

Deposit 10% of bid price at time of sale (minimum \$500.00 or 10%—whichever greater).

Ten days to arrange financing.

Other conditions as announced.

This sale is subject to cancellation up to time of sale without further notice.

(7077) 17 JOSEPH F. BREMNER,
Sheriff, Judicial District of York.

UNDER AND BY VIRTUE OF an Execution issued out of the Supreme Court of Ontario, and to me directed, against the lands and tenements of A. Gordon Dargie, Defendant, at the suit of the Bank of Montreal, Plaintiff, et al, I have seized and taken in execution all the right, title, interest and equity of redemption of A. Gordon Dargie, Defendant, in and to:

All and Singular that certain parcel or tract of land and premises situate, lying and being in the City of Brantford, in the County of Brant, and being composed of Lot Number 51 on the north side of Grey Street according to plan registered as Number 255 in the Registry Office for the Registry Division of the County of Brant. On the premises is said to be erected a two-bedroom one-storey brick residence, with detached one-and-a-half storey store containing 3 walk-in coolers, and is municipally known as 220 Grey Street, Brantford, Ontario.

All of which right, title, interest and equity of redemption of A. Gordon Dargie, Defendant, I shall offer for sale by public auction in my office at the Court House, 70 Wellington Street, Brantford, Ontario, on Wednesday, the 6th day of June, 1984, at 2.30 o'clock in the afternoon.

This sale is subject to cancellation up to time of sale without further notice.

Terms: Cash or certified cheque

Deposit: 10% of bid price at time of sale

Ten days to arrange financing

Delivery only on payment in full.

(7093) 17 J. N. BRAGG,
Sheriff, County of Brant.

Publications Under The Regulations Act

April 28th, 1984

OFFICIAL NOTICES PUBLICATION ACT

O. Reg. 206/84.

Rates.

Made—March 29th, 1984.

Filed—April 2nd, 1984.

REGULATION TO AMEND ONTARIO REGULATION 149/83 MADE UNDER THE OFFICIAL NOTICES PUBLICATION ACT

1. Sections 1 and 2 of Ontario Regulation 149/83 are revoked and the following substituted therefor:

1.—(1) The rates payable for publication of matters in *The Ontario Gazette* are,

(a) on the first insertion, for a double-column insertion of,

(i) a notice of the sale of land for arrears of taxes, \$6.90 plus \$4.15 for each six millimetres of columnar space or fraction thereof for a list of land liable to be sold for arrears of taxes, and

(ii) all other matter where the matter does not exceed twenty-five millimetres of columnar space, \$16.55, and where the matter exceeds twenty-five millimetres of columnar space, \$16.55 plus \$4.15 for each six millimetres or fraction thereof of columnar space in excess of twenty-five millimetres;

(b) on each additional insertion of a matter referred to in clause (a), one-half of the rate payable under subclause (a) (i) or (ii), as the case may be;

(c) on the first insertion, for a single-column insertion of all other matter,

(i) where the matter does not exceed twenty-five millimetres of columnar space, \$8.30, and

(ii) where the matter exceeds twenty-five millimetres of columnar space, \$8.30 plus \$2.10 for each six millimetres or fraction thereof of columnar space in excess of twenty-five millimetres; and

(d) on each additional insertion of a matter referred to in clause (c), one-half of the rate payable under subclause (c) (i) or (ii), as the case may be.

(2) The rates in subsection (1) shall be paid as follows:

1. Upon submitting the copy of a matter for publication,

i. \$6.90 for the first insertion of a matter referred to in subclause (1) (a) (i),

ii. \$16.55 for the first insertion of a matter referred to in subclause (1) (a) (ii), and

iii. \$8.30 for the first insertion of a matter referred to in clause (1) (c).

2. The balance upon receipt of an account from the Queen's Printer. O. Reg. 206/84, s. 1, *part*.

2.—(1) The rates payable for copies of *The Ontario Gazette* are,

(a) by subscribers for a subscription of fifty-two weekly issues, \$49.60; and

(b) by others for a single copy, \$1.10.

(2) The rates in subsection (1) shall be paid in advance. O. Reg. 206/84, s. 1, *part*.

(4503)

17

FOREST FIRES PREVENTION ACT

O. Reg. 207/84.

Fire Regions.

Made—March 29th, 1984.

Filed—April 2nd, 1984.

REGULATION TO AMEND REGULATION 396 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE FOREST FIRES PREVENTION ACT

1. Schedules 2, 3, 4, 5 and 6 to Appendix "A" of Regulation 396 of Revised Regulations of Ontario are revoked and the following substituted therefor:

Schedule 2

NORTH CENTRAL FIRE REGION

In the territorial districts of Algoma, Cochrane, Kenora, Rainy River and Thunder Bay described as follows:

Beginning at the southeast corner of the geographic Township of Corman being a point on the east boundary of the Territorial District of Kenora; thence northerly along that boundary to the southwest corner of G.T.P. Block No. 6; thence easterly along the south boundary of that block to the southeast corner thereof; thence northerly along the east boundary of that block and the northerly production of that east boundary to the base line run by Phillips and Benner, Ontario Land Surveyors, in 1931; thence northeasterly in a straight line to the point of intersection of the parallel of latitude 50°00' with the meridian line run by K.G. Ross, Ontario Land Surveyor, in 1921; thence easterly along the parallel of latitude 50°00' to the line of longitude 90°00'; thence northerly along the line of longitude 90°00' to the parallel of latitude 51°00'; thence easterly along the parallel of latitude 51°00' to the line of longitude 89°00'; thence northerly along the line of longitude 89°00' to the southerly boundary of Wunnumin Lake Indian Reserve Number 86; thence easterly along that southerly boundary to the easterly boundary of that Indian Reserve; thence northerly along that easterly boundary to the northerly boundary of that Indian Reserve, thence westerly along that northerly boundary to the line of longitude 89°00'; thence northerly along that line of longitude to the parallel of latitude 54°00'; thence easterly along the parallel of latitude 54°00' to the intersection with a line drawn in a course of north astronomic from the northwest corner of the geographic Township of Bicknell, in the Territorial District of Cochrane; thence south astronomically along that line to the northwest corner of the geographic Township of Bicknell; thence easterly along the north boundary of the last mentioned geographic township to the northeast corner thereof; thence southerly along the east boundary of the geographic townships of Bicknell, Boyce and Clavet to the northerly boundary of the geographic Township of Downer; thence easterly along the north boundary of the last mentioned geographic township to the northeast corner thereof; thence southerly along the east boundary of the geographic townships of Downer, Frances and Flanders to the southeast corner of the last mentioned geographic township; thence westerly along the south boundary of the last mentioned geographic township to the southwest corner thereof; thence southerly along the west boundary of the geographic townships of Foch and Drew to the northeast corner of the geographic Township of Spooner; thence westerly along the north boundary of the geographic Township of Spooner to the northwest corner thereof; thence southerly along the west boundary of the geographic Township of Spooner to the southwest corner thereof; thence southerly in a straight line to the northeast corner of the geographic Township of McGill; thence westerly along the north boundary of the last mentioned geographic township to the northwest corner thereof; thence southerly along the west boundary of the last mentioned geographic township to the southwesterly corner thereof; thence west astronomically to the intersection with a line drawn in a course of north astronomic from the northwest corner of the

geographic Township of Laberge; thence south astronomically along that line to the northwest corner of the geographic Township of Laberge; thence southerly along the west boundary of the last mentioned geographic township to the northerly limit of the right of way of the Canadian Pacific Railway Company; thence westerly along the said northerly limit to the intersection with the east boundary of the geographic Township of Lecours; thence southerly along the said east boundary and its southerly production to the intersection with a line drawn on a course of east astronomic from southeast corner of the geographic Township of Pic; thence west astronomically along that line and continuing westerly along the south boundary of the said geographic Township of Pic to the intersection with the westerly boundary of Pukaskwa National Park; thence north $0^{\circ}38'10''$ east along the said park boundary 780.468 metres; thence north $86^{\circ}31'40''$ west along the said park boundary 2323.993 metres; thence north $2^{\circ}25'50''$ east along the said park boundary 1014.761 metres; thence south $50^{\circ}26'20''$ west along the said park boundary 129.174 metres; thence south $56^{\circ}08'20''$ west along the said park boundary 266.282 metres, thence south $18^{\circ}25'00''$ west along the said park boundary 486.571 metres; thence south $26^{\circ}00'10''$ west along the said park boundary 200.863 metres; thence south $47^{\circ}18'20''$ west along the said Park boundary 306.376 metres; thence north $71^{\circ}56'30''$ west along the said park boundary 183.596 metres; thence south $70^{\circ}34'40''$ west along the said park boundary 329.245 metres, more or less, to the water's edge of Lake Superior; thence south $68^{\circ}00'$ west 9.656 kilometres; thence south $22^{\circ}00'$ east 25.750 kilometres; thence south $30^{\circ}00'$ west 82.077 kilometres, more or less, to the International Boundary between Canada and the United States of America; thence in a northwesterly, southwesterly and westerly direction following that International Boundary to the line of longitude $92^{\circ}30'$; thence northerly along that line of longitude to the water's edge along the southerly shore of Seine River; thence in an easterly direction along that water's edge to the south boundary of Indian Reserve Number 23A; thence easterly along the south boundary of Indian Reserve Number 23A to the southeast corner thereof; thence northerly along the east boundary of Indian Reserve Number 23A to the water's edge along the southerly shore of Seine River; thence in an easterly direction along that water's edge to the southerly limit of the right of way of the King's Highway known as Number 11; thence easterly along that limit to the intersection with the southerly production of the east boundary of the geographic Township of Bennett; thence northerly along that southerly production and the east boundary of that township and the northerly production of that east boundary to the boundary between the territorial districts of Kenora and Rainy River; thence westerly along that boundary to the 5th Meridian Line as surveyed by A. Niven, Ontario Land Surveyor in 1897; thence northerly along that meridian line to the intersection with a line drawn on a course of west astronomic from the southwest corner of the geographic Township of Grummett; thence east astronomically along that line to the southwest corner of the geographic Township of Grummett; thence easterly along the south boundary of the geographic townships of Grummett, Cathcart, McNevin and Corman to the place of beginning.

Schedule 3

NORTHERN FIRE REGION

In the territorial districts of Algoma, Cochrane, Sudbury and Timiskaming described as follows:

Beginning at the southwest corner of the geographic Township of Drew in the Territorial District of Algoma; thence easterly along the south boundary of the geographic townships of Drew and Cholette to the northwest corner of the geographic Township of Bayfield; thence southerly along the west boundary of the last mentioned geographic township to the southwest corner thereof; thence easterly along the south boundary of the last mentioned geographic township to the northwest corner of the geographic Township of Gurlay; thence southerly along the west boundary of the last mentioned geographic township to the southwest corner thereof; thence easterly along the south boundary of the geographic townships of Gurlay, Breckenridge, Lizar, Ermine, Irving and Marjorie to the west boundary of the geographic Township of Hook; thence southerly along the west boundary of the last mentioned geographic township to the southwest corner thereof; thence easterly along the south boundary of the geographic townships of Hook and Hayward to the northeast corner of the geographic Township of Conking; thence southerly along the east boundary of the last mentioned geographic township to the southeast corner thereof; thence westerly along the south boundary of the geographic Township of Conking 5.311 kilometres; thence southwesterly in a straight line to the northwest corner of the geographic Township of Brackin; thence southerly along the west boundary of the geographic townships of Brackin and Lang to the southeast corner of the geographic Township of Marsh; thence westerly along the north boundary of the geographic Township of Bader to the northwest corner thereof; thence southerly along the west boundary of the geographic townships of Bader, Hornell and D'Avaugour to the southwest corner of the last mentioned geographic township; thence easterly along the south boundary of the last mentioned geographic township to the northwest corner of the geographic township of Cosens; thence southerly along the west boundary of the geographic townships of Cosens, Topham, Windego, Beilhartz, Engstrom, Hammond, and Moen to the northwest corner of the geographic Township of Schembri; thence easterly along the north boundary of the geographic townships of Schembri, Scriven, Sherratt and Carton to the northeast corner of the last mentioned geographic township; thence southerly along the east boundary of the geographic Township of Carton to the northwest corner of the geographic township of Ferrier; thence easterly along the north boundary of the geographic townships of Ferrier, Foulds, Gaunt, Gilbertson, Gisborn and Grossman to the northwest corner of the geographic Township of Guindon; thence southerly along the west boundary of the geographic townships of Guindon and McKeough to the southwest corner of the last mentioned geographic township; thence easterly along the south boundary of the geographic

townships of McKeough, Fulton, Gladwin, Ivy, Earl, Specht, Breadner, Battersby, Dublin, Onaping, Scotia, Frechette, McNamara and Cotton to the southeast corner of the last mentioned geographic township; thence northerly along the east boundary of the geographic townships of Cotton, Valin and Stull to the south boundary of the geographic Township of Dufferin; thence easterly along the south boundary of the geographic townships of Dufferin and Leckie to the southeast corner of the last mentioned geographic township; thence northerly along the east boundary of the last mentioned geographic township to the northeast corner thereof; thence westerly along the north boundary of the last mentioned geographic township to the southeast corner of the geographic Township of Ray; thence northerly along the east boundary of the last mentioned geographic township to the southwest corner of the geographic Township of Charters; thence easterly along the south boundary of the geographic townships of Charters and Corkill to the southeast corner of the last mentioned geographic township; thence northerly along the east boundary of the last mentioned geographic township to the southwest corner of the geographic Township of Roadhouse; thence easterly along the south boundary of the geographic townships of Roadhouse, Willet, Barber, Cane and Henwood to the southwest corner of the Township of Kerns; thence easterly along the south boundary of the townships of Kerns, Harley and Casey to the Interprovincial Boundary between Ontario and Quebec; thence in a northerly direction along that Interprovincial Boundary to the shore of James Bay; thence southwesterly, northwesterly, northerly and northwesterly following the shore of James Bay and Hudson Bay to the Interprovincial Boundary between Ontario and Manitoba; thence in a southwesterly direction along that Interprovincial Boundary to the intersection with the westerly production of a line joining the intersection of the line of longitude $91^{\circ}30'$ and the parallel of latitude $55^{\circ}00'$ with the intersection of the line of longitude $89^{\circ}00'$ and the parallel of latitude $54^{\circ}00'$; thence southeasterly along that production and that line to the intersection with the line of longitude $89^{\circ}00'$ and the parallel of latitude $54^{\circ}00'$; thence easterly along the parallel of latitude $54^{\circ}00'$ to the intersection with a line drawn on a course of north astronomic from the northwest corner of the geographic Township of Bicknell; thence south astronomically along that line to the northwest corner of the geographic Township of Bicknell; thence easterly along the north boundary of the last mentioned geographic township to the northeast corner thereof; thence southerly along the east boundary of the geographic townships of Bicknell, Boyce and Clavet to the north boundary of the geographic Township of Downer; thence easterly along the north boundary of the last mentioned geographic township to the northeast corner thereof; thence southerly along the east boundary of the geographic townships of Downer, Frances and Flanders to the southeast corner of the last mentioned geographic township; thence westerly along the south boundary of the last mentioned geographic township to the northwest corner of the geographic township of Foch; thence southerly along the west boundary of the geographic townships of Foch and Drew to the place of beginning.

Schedule 4

NORTHEASTERN FIRE REGION

In the territorial districts of Algoma, Manitoulin, Nipissing, Parry Sound, Sudbury, Thunder Bay and Timiskaming described as follows:

Beginning at the northeast corner of the geographic Township of Mildred in the Territorial District of Algoma; thence southerly along the west boundary of the last mentioned geographic township to the southwest corner thereof; thence easterly along the south boundary of the geographic townships of Hook and Hayward to the northeast corner of the geographic Township of Conking; thence southerly along the east boundary of the last mentioned geographic township to the southeast corner thereof; thence westerly along the south boundary of the geographic Township of Conking 5.311 kilometres; thence southwesterly in a straight line to the northwest corner of the geographic Township of Brackin; thence southerly along the west boundary of the geographic townships of Brackin and Lang to the southeast corner of the geographic Township of Marsh; thence westerly along the north boundary of the geographic Township of Bader to the northwest corner thereof; thence southerly along the west boundary of the geographic townships of Bader, Hornell and D'Avaugour to the southwest corner of the last mentioned geographic township; thence easterly along the south boundary of the last mentioned geographic township to the northwest corner of the geographic township of Cosens; thence southerly along the west boundary of the geographic townships of Cosens, Topham, Windego, Beilhartz, Engstrom, Hammond and Moen to the northwest corner of the geographic Township of Schembri; thence easterly along the north boundary of the geographic townships of Schembri, Scriven, Sherratt and Carton to the northeast corner of the last mentioned geographic township; thence southerly along the east boundary of the geographic Township of Carton to the northwest corner of the geographic township of Ferrier; thence easterly along the north boundary of the geographic townships of Ferrier, Foulds, Gaunt, Gilbertson, Gisborn and Grossman to the northwest corner of the geographic Township of Guindon; thence southerly along the west boundary of the geographic townships of Guindon and McKeough to the southwest corner of the last mentioned geographic township; thence easterly along the south boundary of the geographic townships of McKeough, Fulton, Gladwin, Ivy, Earl, Specht, Breadner, Battersby, Dublin, Onaping, Scotia, Frechette, McNamara and Cotton to the southeast corner of the last mentioned geographic township; thence northerly along the east boundary of the geographic townships of Cotton, Valin and Stull to the south boundary of the geographic Township of Dufferin; thence easterly along the south boundary of the geographic townships of Dufferin and Leckie to the southeast corner of the last mentioned geographic township; thence northerly along the east boundary of the last mentioned geographic township to the northeast corner thereof; thence westerly along the north boundary of the last mentioned geographic township to the southeast corner of the geographic Township of Ray; thence northerly along the east boundary of the last mentioned

geographic township to the southwest corner of the geographic Township of Charters; thence easterly along the south boundary of the geographic townships of Charters and Corkill to the southeast corner of the last mentioned geographic township; thence northerly along the east boundary of the last mentioned geographic township to the southwest corner of the geographic Township of Roadhouse; thence easterly along the south boundary of the geographic townships of Roadhouse, Willet, Barber, Cane, and Henwood to the southwest corner of the Township of Kerns; thence easterly along the south boundary of the townships of Kerns, Harley and Casey to the Interprovincial boundary between Ontario and Quebec; thence in a southerly and southeasterly direction following that Interprovincial Boundary to the northeasterly corner of the Improvement District of Cameron; thence southerly along the easterly boundary of the Improvement District of Cameron to the northeasterly corner of the geographic Township of Deacon; thence westerly along the northerly boundary of the geographic Township of Deacon to a point thereon distant 2048.518 metres measured south $20^{\circ}48'25''$ east from a point distant 5427.680 metres measured north $69^{\circ}08'20''$ east from a point in the easterly boundary of the geographic Township of Boyd distant 4084.354 metres measured northerly thereon from the southeasterly corner thereof; thence north $20^{\circ}48'25''$ west 2048.518 metres; thence south $69^{\circ}08'20''$ west 5427.680 metres to a point in the easterly boundary of the geographic Township of Boyd distant 4084.354 metres measured northerly thereon from the southeasterly corner thereof; thence northerly along the easterly boundary of the geographic Township of Boyd to the intersection with the centre line of the allowance for road between former concessions X and XI in the said township; thence south $69^{\circ}06'$ west 6095.994 metres; thence south $65^{\circ}16'$ west 1214.874 metres; thence south $65^{\circ}26'30''$ west 259.147 metres; thence north $22^{\circ}01'30''$ west 2122.705 metres; thence south $69^{\circ}07'00''$ west 4161.748 metres; thence south $22^{\circ}01'30''$ east 2216.217 metres; thence south $68^{\circ}46'$ west 411.811 metres; thence south $69^{\circ}08'$ west 417.846 metres; thence south $68^{\circ}57'$ west 401.753 metres; thence south $68^{\circ}29'$ west 401.753 metres; thence south $68^{\circ}38'$ west 813.564 metres to the easterly boundary of the geographic Township of Pentland; thence northerly along the easterly boundary of that township to the northeasterly corner thereof; thence westerly along the southerly boundary of the geographic Township of Lauder to the survey monument opposite the line between former lots 12 and 13, Concession I, in the said township; thence north $20^{\circ}51'40''$ west 2172.000 metres; thence south $69^{\circ}08'50''$ west 3850.126 metres; thence south $20^{\circ}49'40''$ east 2172.833 metres to the southerly boundary of the geographic Township of Lauder; thence westerly along that southerly boundary of the last mentioned township to the southwesterly corner thereof; thence southerly along the easterly boundary of the geographic Township of Boulter to the southeasterly corner thereof; thence westerly along the southerly boundary of the last mentioned township to the southwesterly corner thereof; thence continuing westerly along the northerly boundary of the geographic

townships of Ballantyne and Laurier to the northwesterly corner of the last mentioned geographic township; thence continuing westerly along the northerly boundary of the Township of Machar to the northwesterly corner thereof; thence westerly along the southerly boundary of the geographic townships of Pringle and East Mills to the southwesterly corner of the last mentioned geographic township; thence northerly along the westerly boundary of the geographic townships of East Mills and Hardy to the water's edge along the southerly shore of the Memesagamesing River; thence in a general northwesterly direction following the said water's edge to the intersection with the water's edge along the southerly shore of the French River Main Channel; thence north astronomically to the intersection with the boundary between the territorial districts of Parry Sound and Sudbury; thence in a general westerly and southwesterly direction following that boundary to the intersection with the westerly limit of the right of way of the Canadian National Railway Company; thence in a southeasterly direction following the said westerly limit to Key Junction; thence southerly along the westerly limit of an abandoned right of way of the Canadian National Railway Company to the intersection with a line drawn east astronomic from the point on the water's edge at the most northerly extremity of Pine Island in Key Harbour; thence west astronomically 0.520 kilometres, more or less, to a point distant 0.060 kilometres measured westerly from the high water mark of the mainland immediately east of Pine Island; thence south astronomically 0.380 kilometres; thence south 72°00' west 0.350 kilometres; thence north 83°00' west 1.750 kilometres; thence south 85°30' west 1.200 kilometres; thence south 43°00' west 2.030 kilometres; thence north 88°00' west 2.480 kilometres, thence southwesterly in a straight line to the southeast corner at the Territorial District of Manitoulin being distant 64.374 kilometres measured south astronomic from the southeast corner of the geographic Township of Humboldt; thence west astronomically along the south boundary of the last mentioned territorial district to the International Boundary between Canada and the United States of America; thence in a general northwesterly direction following the last mentioned International Boundary to the intersection with a line drawn south 30°00' west from a point distant 25.750 kilometres measured south 22°00' east from a point distant 9.656 kilometres measured south 68°00' west from the intersection of the westerly boundary of Pukaskwa National Park with the water's edge of Lake Superior; thence north 30°00' east 82.077 kilometres; thence north 22°00' west 25.750 kilometres; thence north 68°00' east 9.656 kilometres, more or less, to the intersection of the westerly boundary of Pukaskwa National Park with the water's edge of Lake Superior; thence north 70°34'40" east along the said park boundary 329.245 metres; thence south 71°56'30" east along the said park boundary 183.596 metres; thence north 47°18'20" east along the said park boundary 306.376 metres; thence north 26°00'10" east along the said park boundary 200.863 metres; thence north 18°25'00" east along the said park boundary 486.571 metres; thence north 56°08'20" east

along the said park boundary 266.282 metres; thence north 50°26'20" east along the said park boundary 129.174 metres; thence south 2°25'50" west along the said park boundary 1014.761 metres; thence south 86°31'40" east along the said park boundary 2323.993 metres; thence south 0°38'10" west along the said park boundary 780.468 metres, more or less, to the southerly boundary of the geographic Township of Pic; thence easterly along the south boundary of the geographic Township of Pic and its easterly production to the intersection with the southerly production of the east boundary of the geographic Township of Lecours; thence northerly along the said southerly production and the east boundary of the geographic Township of Lecours to the northerly limit of the right of way of the Canadian Pacific Railway Company; thence easterly along the said northerly limit to the west boundary of the geographic Township of Laberge; thence northerly along the said west boundary to the northwest corner of the geographic Township of Laberge; thence northerly along the northerly production of the west boundary of the geographic Township of Laberge to the intersection with the westerly production of the south boundary of the geographic township of McGill; thence easterly along the said westerly production to the southwest corner of the geographic Township of McGill; thence northerly along the west boundary of the geographic Township of McGill to the northwest corner thereof; thence easterly along the north boundary of the last mentioned geographic township to the northeast corner thereof; thence northerly in a straight line to the southwest corner of the geographic Township of Spooner; thence northerly along the west boundary of the last mentioned geographic township to the northwest corner thereof; thence easterly along the north boundary of the geographic Township of Spooner to the west boundary of the geographic Township of Drew; thence southerly along the west boundary of the geographic Township of Drew to the northwest corner of the geographic Township of Welsh; thence easterly along the north boundary of the geographic townships of Welsh and Matthews to the northwest corner of the last mentioned geographic township; thence southerly along the west boundary of the geographic Township of Matthews to the north boundary of the geographic Township of Hambleton; thence easterly along the said north boundary to the northeast corner of the last mentioned geographic township; thence southerly along the east boundary of the last mentioned geographic township to the northwest corner of the geographic Township of Strickland; thence easterly along the north boundary of the geographic townships of Strickland, Nameigos, Mosambik, Carney, Martin and Mildred to the place of beginning.

O. Reg. 207/84, s. 1, *part.*

Schedule 5

ALGONQUIN FIRE REGION

In the territorial districts of Parry Sound and Nipissing, The District Municipality of Muskoka, and the counties of Haliburton, Hastings, Lennox and Addington, Peterborough, Renfrew, Simcoe and Victoria, described as follows:

Beginning at the intersection of the water's edge of Georgian Bay with the westerly production of the centre line and the allowance for road in front of Concession XVI, as shown on the plan of the Township of Baxter, in the Township of Georgian Bay; thence in a general southerly direction following that water's edge to the intersection with the centre line of the King's Highway known as number 69 at Port Severn; thence southerly along that centre line to the southerly boundary of the Township of Georgian Bay; thence northeasterly along that boundary to the northwesterly corner of the Township of Matchedash; thence southerly along the westerly boundary of the Township of Matchedash to the southwesterly corner thereof; thence easterly along the northerly boundary of that township to the intersection with the centre line of the allowance for road between concessions II and III, Northern Division, in the Township of Orillia; thence southerly along that centre line to the intersection with the westerly production of the southerly limit of Lot 19, Concession III, Northern Division, in the Township of Orillia; thence easterly along that production to the southwesterly corner of said Lot 19; thence northeasterly along the south limit of said Lot 19 to the southeasterly corner thereof; thence northeasterly in a straight line across the allowance for road between concessions III and IV to the southwesterly corner of Lot 19, Concession IV, Northern Division; thence northeasterly along the southerly limit of said Lot 19 to the northeasterly corner thereof; thence northeasterly in a straight line across the allowance for road between concessions IV and V to the southwesterly corner of Lot 19, Concession V, Northern Division; thence northeasterly along the southerly limit of said Lot 19 to the southeasterly corner thereof; thence northeasterly in a straight line across the allowance for road between concessions V and VI to the southwesterly corner of Lot 19, Concession VI, Northern Division; thence northeasterly along the southerly limit of said Lot 19 to the southeasterly corner thereof; thence northeasterly in a straight line across the allowance for road between concessions VI and VII to the southwesterly corner of Lot 19, Concession VII, Northern Division; thence northeasterly along the southerly limit of said Lot 19 to the southeasterly corner thereof; thence northeasterly in a straight line across

the allowance for road between concessions VII and VIII to the southwesterly corner of Lot 19, Concession VIII, Northern Division; thence northeasterly along the southerly limit of said Lot 19 to the southeasterly corner thereof; thence northeasterly in a straight line across the allowance for road between concessions VIII and IX to the southwesterly corner of Lot 19, Concession IX, Northern Division; thence northeasterly along the southerly limit of said Lot 19 to the southeasterly corner thereof; thence northeasterly in a straight line across the allowance for road between concessions IX and X to the southwesterly corner of Lot 19, Concession X, Northern Division; thence northeasterly along the southerly limit of said Lot 19 to the southeasterly corner thereof; thence northeasterly in a straight line across the allowance for road between concessions X and XI to the southwesterly corner of Lot 19, Concession XI, Northern Division; thence northeasterly along the southerly limit of said Lot 19 to the southeasterly corner thereof; thence northeasterly in a straight line across the allowance for road between concessions XI and XII to the southwesterly corner of Lot 19, Concession XII, Northern Division; thence northeasterly along the southerly limit of said Lot 19 to the southeasterly corner thereof; thence northeasterly in a straight line across the allowance for road between concessions XII and XIII to the southwesterly corner of Lot 19, Concession XIII, Northern Division; thence northeasterly along the southerly limit of said Lot 19 to the southeasterly corner thereof; thence northeasterly in a straight line across the allowance for road between concessions XIII and XIV to the southwesterly corner of Lot 19, Concession XIV, Northern Division; thence northeasterly along the southerly limit of said Lot 19 to the southeasterly corner thereof; thence continuing northeasterly along the production of the southerly limit of said Lot 19 to the intersection with the south boundary of the Town of Gravenhurst, in The District Municipality of Muskoka; thence southerly and easterly along that boundary to the northwesterly corner of the Township of Dalton; thence southerly along the westerly boundary of the townships of Dalton and Carden to the southwesterly corner of the last mentioned township; thence easterly along the south boundary of the Township of Carden to the westerly boundary of the Township of Bexley; thence southerly along the westerly boundary of the Township of Bexley to the southwesterly corner thereof; thence easterly along the southerly boundary of the townships of Bexley and Somerville to the westerly boundary of the Township of Harvey; thence southerly along that westerly boundary to the boundary between the townships of Harvey and Verulan; thence easterly, southerly and easterly along the southerly boundary of the Township of Harvey to the southwesterly corner of the Township of Burleigh and Anstruther; thence easterly along the southerly boundary of the last mentioned township to the westerly boundary of the Township of Belmont and Metheun; thence southerly along that boundary to the southwesterly corner of the last mentioned township; thence easterly along the southerly boundary of the Township of Belmont and Methuen to the southeasterly corner thereof; thence northerly along the easterly boundary of the last mentioned township to the northwesterly corner of the Township of Marmora and Lake; thence easterly along the northerly boundary of the last mentioned township to the northeasterly corner thereof;

thence easterly along the southerly boundary of the Township of Limerick to the southeasterly corner thereof; thence easterly along the northerly boundary of the Township of Elzevir and Grimsthorpe to the northeasterly corner thereof; thence northerly along the westerly boundary of the Townships of Tudor and Cashel, being also the easterly boundary of the former Township of Cashel, to the northeasterly corner thereof; thence northerly along the easterly boundary of the Township of Mayo to the southerly boundary of the Township of Raglan; thence easterly along the southerly boundary of the Township of Raglan to the southwesterly corner of the Township of Brudenell and Lyndoch; thence easterly along the southerly boundary of the last mentioned township to the southeasterly corner thereof; thence southerly along the westerly boundary of the Township of Griffith and Matawatchan to the southwesterly corner thereof; thence easterly along the southerly boundary of the Township of Griffith and Matawatchan to the southeasterly corner thereof; thence northerly along the easterly boundary of the last mentioned township to the southwesterly corner of the Township of Brougham; thence in a general northeasterly direction along the southerly boundary of the last mentioned township to the southeasterly corner thereof; thence southerly along the westerly boundary of the Township of Bagot and Blithfield to the most southerly corner thereof; thence easterly along the southerly boundary of the Township of Blithfield and Bagot and the Township of McNab to the intersection with the Interprovincial Boundary between Ontario and Quebec; thence in a general northwesterly direction following the said Interprovincial Boundary to the northeasterly corner of the Improvement District of Cameron; thence southerly along the easterly boundary of the Improvement District of Cameron to the northeasterly corner of the geographic Township of Deacon; thence westerly along the northerly boundary of the geographic Township of Deacon to a point thereon distant 2048.518 metres measured south $20^{\circ}48'25''$ east from a point distant 5427.680 metres measured north $69^{\circ}08'20''$ east from a point in the easterly boundary of the geographic Township of Boyd distant 4084.354 metres measured northerly thereon from the southeasterly corner thereof; thence north $20^{\circ}48'25''$ west 2048.518 metres; thence south $69^{\circ}08'20''$ west 5427.680 metres to a point in the easterly boundary of the geographic Township of Boyd distant 4084.354 metres measured northerly thereon from the southeasterly corner thereof; thence northerly along the easterly boundary of the geographic Township of Boyd to the intersection with the centre line of the allowance for road between former concessions X and XI in the said township; thence south $69^{\circ}06'$ west 6095.994 metres; thence south $65^{\circ}16'$ west 1214.874 metres; thence south $65^{\circ}26'30''$ west 259.147 metres; thence north $22^{\circ}01'30''$ west 2122.705 metres; thence south $69^{\circ}07'00''$ west 4161.748 metres; thence south $22^{\circ}01'30''$ east 2216.217 metres; thence south $68^{\circ}46'$ west 411.811 metres; thence south $69^{\circ}08'$ west 417.846 metres; thence south $68^{\circ}57'$ west 401.753 metres; thence south $68^{\circ}29'$ west 401.753 metres; thence south $68^{\circ}38'$ west 813.564 metres to the easterly

boundary of the geographic Township of Pentland; thence northerly along the easterly boundary of the last mentioned township to the northeasterly corner thereof; thence westerly along the southerly boundary of the geographic Township of Lauder to the survey monument opposite the line between former lots 12 and 13, Concession I, in the said township; thence north $20^{\circ}51'40''$ west 2172.000 metres; thence south $69^{\circ}08'50''$ west 3850.126 metres; thence south $20^{\circ}49'40''$ east 2172.833 metres to the southerly boundary of the geographic Township of Lauder; thence westerly along that southerly boundary of the last mentioned township to the southwesterly corner thereof; thence southerly along the easterly boundary of the geographic Township of Boulter to the southeasterly corner thereof; thence westerly along the southerly boundary of the last mentioned township to the southwesterly corner thereof; thence continuing westerly along the northerly boundary of the geographic townships of Ballantyne and Laurier to the northwesterly corner of the last mentioned township; thence continuing westerly along the northerly boundary of the Township of Machar to the northwesterly corner thereof; thence westerly along the southerly boundary of the geographic townships of Pringle and East Mills to the southwesterly corner of the last mentioned township; thence northerly along the westerly boundary of the geographic townships of East Mills and Hardy to the water's edge along the southerly shore of the Memesagamesing River; thence in a general northwesterly direction following the said water's edge to the intersection with the water's edge along the southerly shore of the French River Main Channel; thence north astronomically to the intersection with the boundary between the territorial districts of Parry Sound and Sudbury; thence in a general westerly and southwesterly direction following that boundary to the intersection with the westerly limit of the right of way of the Canadian National Railway Company; thence in a southeasterly direction following the said westerly limit to Key Junction; thence southerly along the westerly limit of an abandoned right of way of the Canadian National Railway Company to the intersection with a line drawn east astronomic from the point on the water's edge at the most northerly extremity of Pine Island in Key Harbour; thence west astronomically 0.520 kilometres, more or less, to a point distant 0.060 kilometres measures westerly from the high water mark of the mainland immediately east of Pine Island; thence south astronomically 0.380 kilometres; thence south $72^{\circ}00'$ west 0.350 kilometres; thence north $83^{\circ}00'$ west 1.750 kilometres; thence south $85^{\circ}30'$ west 1.200 kilometres; thence south $43^{\circ}00'$ west 2.030 kilometres; thence north $88^{\circ}00'$ west 2.480 kilometres; thence southwesterly in a straight line to the southeast corner of the Territorial District of Manitoulin being distant 64.374 kilometres measured south astronomically from the southeast corner of the geographic Township of Humboldt; thence southeasterly in a straight line to the intersection of the line of longitude $80^{\circ}30'$ with the parallel of latitude $45^{\circ}00'$; thence southeasterly in a straight line to the point on the water's edge at the most northerly extremity of Giants Tomb Island; thence southeasterly in a straight line to the point on the water's edge of the most northerly extremity of Mennicognashene Island; thence northeasterly in a straight line to the place of beginning.

Schedule 6

EASTERN FIRE REGION

In the counties of Frontenac, Hastings, Lanark and Lennox and Addington described as follows;

Beginning at the southwesterly corner of the Township of Marmora and Lake; thence northerly along the westerly boundary of the last mentioned township to the northwesterly corner thereof; thence easterly along the northerly boundary of the last mentioned township to the northeasterly corner thereof; thence easterly along the southerly boundary of the Township of Limerick to the southeasterly corner thereof; thence easterly along the northerly boundary of the Township of Elzevir and Grimsthorpe to the northeasterly corner thereof; thence northerly along the easterly boundary of the Township of Tudor and Cashel, being also the easterly boundary of the former Township of Cashel, to the northeasterly corner thereof; thence northerly along the easterly boundary of the Township of Mayo to the southerly boundary of the Township of Raglan; thence easterly along the southerly boundary of the Township of Raglan to the southwesterly corner of the Township of Brudenell and Lyndoch; thence easterly along the southerly boundary of the last mentioned township to the southeasterly corner thereof; thence southerly along the westerly boundary of the Township of Griffith and Matawatchan to the southwesterly corner thereof; thence easterly along the southerly boundary of the Township of Griffith and Matawatchan to the southeasterly corner thereof; thence northerly along the easterly boundary of the last mentioned township to the southwesterly corner of the Township of Brougham; thence in a general northeasterly direction along the southerly boundary of the last mentioned township to the southeasterly corner thereof; thence southerly along the westerly boundary of the Township of Bagot and Blithfield to the most southerly corner thereof; thence easterly along the southerly boundary of the Township of Blithfield and Bagot and the Township of McNab to the most northerly corner of the Township of Pakenham; thence southeasterly along the northeasterly boundary of the Townships of Pakenham and Ramsay to the most easterly corner of the last mentioned township; thence southwesterly along the southeasterly boundary of the townships of Ramsay and Lanark and of the Township of Lavant, Dalhousie and North Sherbrooke to the easterly boundary of the Township of Oso; thence southerly along the easterly boundary of the last mentioned township to the southeasterly corner thereof; thence southeasterly along the northeasterly boundary of the Township of Bedford to the most easterly corner thereof; thence westerly along the southerly boundary of the townships of Bedford and Hinchinbrooke to the southwesterly corner of the last mentioned township; thence northerly along the westerly boundary of the Township of Hinchinbrooke to the northwesterly corner thereof; thence westerly along the northerly boundary of the Township of

Sheffield to the northwesterly corner thereof; thence southerly along the easterly boundary of the Township of Hungerford to the southeasterly corner thereof; thence westerly along the southerly boundary of the townships of Hungerford and Huntingdon to the southwesterly corner of the last mentioned township; thence northerly along the westerly boundary of the Township of Huntingdon to the northwesterly corner thereof; thence westerly along the southerly boundary of the Township of Madoc and the Township of Marmora and Lake to the place of beginning.

O. Reg. 207/84, s. 1, *part.*

(4504)

17

PUBLIC LANDS ACT

O. Reg. 208/84.

Crown Land Camping Permit.

Made—March 29th, 1984.

Filed—April 2nd, 1984.

REGULATION MADE UNDER THE PUBLIC LANDS ACT

CROWN LAND CAMPING PERMIT

1. In this Regulation,

- (a) "camping unit" means equipment used for the purpose of outdoor accommodation and includes a tent, trailer, tent-trailer, recreational vehicle, camper-back, houseboat and aircraft;
- (b) "Crown land camping permit" means a permit issued under this Regulation by the Ministry of Natural Resources;
- (c) "Crown land" means the land belonging to Her Majesty the Queen in right of Ontario within the boundaries described in the Schedule, but does not include a provincial park as defined in the *Provincial Parks Act*;
- (d) "family" means two spouses of one another;
- (e) "non-resident" means a person who is not a resident;
- (f) "officer" means a conservation officer or any public servant employed in the Ministry of Natural Resources as a District Lands Supervisor or a Lands Technician;
- (g) "rental-agreement" means a rental contract between a supplier and a non-resident for a camping unit;
- (h) "resident" means,

(i) a Canadian citizen as defined in the *Canadian Citizenship Act* (Canada); or

(ii) a person who has actually resided in Canada for a period of at least seven months during the twelve months immediately preceding the time that his or her residence becomes material under this Regulation;

(i) "supplier" means a person who carries on business in Ontario. O. Reg. 208/84, s. 1.

2.—(1) No non-resident who is seventeen years of age or more shall camp on Crown land unless,

- (a) he or she camps under the authority of a Crown land camping permit;
- (b) he or she has entered into a rental agreement which is in effect; or
- (c) he or she owns real property within the boundaries described in the Schedule.

(2) A Crown land camping permit shall be either,

- (a) an individual Crown land camping permit; or
- (b) a family Crown land camping permit.

(3) The fee for an individual Crown land camping permit is \$3.00 per night which includes an issuing fee of \$0.25.

(4) The fee for a family Crown land camping permit is \$5.00 per night which includes an issuing fee of \$0.25.

(5) Where a Crown land camping permit is surrendered before its expiry, a refund may be made upon application to a district manager of an administrative district of the Ministry of Natural Resources. O. Reg. 208/84, s. 2.

3.—(1) A Crown land camping permit authorizes the holder to camp on Crown lands until 12.00 noon

of the day next following of the date shown on the permit.

(2) Every non-resident who camps on Crown land shall vacate the Crown land and remove the camping unit and his or her personal property from the Crown land on the expiry, surrender or cancellation, whichever occurs first, of his or her Crown land camping permit or rental agreement, as the case may be. O. Reg. 208/84, s. 3.

4.—(1) Every non-resident camping on Crown land shall, on the request of an officer, produce his or her Crown land camping permit or rental agreement for inspection by the officer.

(2) A supplier shall provide, on the request of an officer, information pertaining to the rental agreement of a non-resident camping on Crown land who has contracted with the supplier. O. Reg. 208/84, s. 4.

5. No person other than an issuer of licences authorized under the *Game and Fish Act* shall issue Crown land camping permits and section 43 of that Act applies as if Crown land camping permits were licences issued under that Act. O. Reg. 208/84, s. 5.

Schedule

1. In the territorial districts of Kenora, Rainy River and Thunder Bay described as follows:

Beginning at the southeast corner of the geographic Township of Corman being a point on the east boundary of the Territorial District of Kenora; thence northerly along that boundary to the southwest corner of G.T.P. Block No. 6; thence easterly along the south boundary of that block to the southeast corner thereof; thence northerly along the east boundary of that block and the northerly production of that east boundary to the base line run by Phillips and Benner, Ontario Land Surveyors, in 1931; thence northeasterly in a straight line to the point of intersection of the parallel of latitude 50° 00' with the meridian line run by K.G. Ross, Ontario Land Surveyor, in 1921; thence easterly along the parallel of latitude 50° 00' to the line of longitude 90° 00'; thence northerly along the line of longitude 90° 00' to the parallel of latitude 51° 00'; thence easterly along the parallel of latitude 51° 00' to the line of longitude 89° 00'; thence northerly along the line of longitude 89° 00' to the southerly boundary of Wunnumin Lake Indian Reserve Number 86; thence easterly along that southerly boundary to the easterly boundary of that Indian Reserve; thence northerly along that easterly boundary to the northerly boundary of that Indian Reserve, thence westerly along that northerly boundary to the line of longitude 89° 00'; thence northerly along the line of longitude 89° 00' to the parallel of latitude 54° 00'; thence northwesterly in a straight line to the point of intersection of the line of longitude 91° 30' with the parallel of latitude 55° 00'; thence northwesterly along the northwesterly production of the last mentioned line to the Interprovincial Boundary between Ontario and Manitoba; thence in a southwesterly and southerly direction along that

boundary to the International Boundary between Canada and the United States of America; thence in an easterly and southeasterly direction along that boundary to the line of longitude 92° 30'; thence northerly along that line of longitude to the water's edge along the southerly shore of Seine River; thence in an easterly direction along that water's edge to the south boundary of Indian Reserve 23A; thence easterly along the south boundary of Indian Reserve 23A to the southeast corner thereof; thence northerly along the east boundary of Indian Reserve 23A to the water's edge along the southerly shore of Seine River; thence in an easterly direction along that water's edge to the southerly limit of the right of way of the King's Highway known as number 11; thence easterly along that limit to the intersection with the southerly production of the east boundary of the geographic Township of Bennett; thence northerly along that southerly production and the east boundary of that township and the northerly production of that east boundary to the boundary between the territorial districts of Kenora and Rainy River; thence westerly along that boundary to the 5th meridian line as surveyed by A. Niven, Ontario Land Surveyor in 1897; thence northerly along that meridian line to the intersection with a line drawn on a course of west astronomic from the southwest corner of the geographic Township of Grummett; thence east astronomically along that line to the southwest corner of the geographic Township of Grummett; thence easterly along the south boundary of the geographic townships of Grummett, Cathcart, McNevin and Corman to the place of beginning.

2. In the territorial districts of Kenora, Rainy River and Thunder Bay described as follows:

Beginning at the southwest corner of the geographic Township of Grummett, in the Territorial District of Kenora; thence easterly along the south boundary of the geographic townships of Grummett, Cathcart, McNevin and Corman to the southeast corner of the geographic Township of Corman being a point in the west boundary of the Territorial District of Thunder Bay; thence southerly along that boundary to the water's edge along the northerly shore of Little Trout Lake; thence in a westerly, southerly and easterly direction along that water's edge to the west boundary of the Territorial District of Thunder Bay; thence southerly along that boundary to the water's edge along the northerly shore of Tilley Lake; thence in a westerly, southerly and easterly direction along that water's edge to the west boundary of the Territorial District of Thunder Bay; thence southerly along that boundary to survey monument number 14 thereon as shown on a plan of survey of part of the east boundary of Quetico Provincial Park of record in the Ministry of Natural Resources at Toronto and catalogued as number 96992; thence south 56° 49' east 478.277 metres; thence south 19° 01' 10" east 1219.468 metres; thence south 74° 59' 50" west 826.901 metres to the west boundary of the Territorial District of Thunder Bay; thence southerly along that boundary to survey monument number 10 thereon as shown on said plan catalogued as number 96992; thence south 76° 00' 30" east 705.371 metres; thence south 12° 00' 30" east

386.075 metres; thence south 57° 00' 30" west 552.517 metres; thence north 89° 59' 30" west 301.758 metres to the west boundary of the Territorial District of Thunder Bay; thence southerly along that boundary to survey monument number 5 thereon as shown on said plan catalogued as number 96992; thence north 73° 00' 30" east 462.991 metres; thence south 26° 59' 30" east 571.463 metres; thence south 20° 00' 30" west 504.008 metres; thence south 58° 00' 30" west 624.843 metres to the west boundary of the Territorial District of Thunder Bay; thence southerly along that boundary to the water's edge along the northerly shore of Ross Lake; thence in a westerly, southerly and easterly direction along that water's edge to the west boundary of the Territorial District of Thunder Bay; thence in a southerly direction along that boundary to the water's edge along the northerly shore of Bitchu Lake; thence in a westerly, southerly and easterly direction along that water's edge to the west boundary of the Territorial District of Thunder Bay; thence in a southerly direction along that boundary to the water's edge along the northerly shore of Smally Lake; thence in a westerly, southerly and easterly direction along that water's edge to the west boundary of the Territorial District of Thunder Bay; thence in a southerly direction along that boundary to survey monument number 10 thereon as shown on a plan of survey of part of the east boundary of Quetico Provincial Park of record in the Ministry of Natural Resources, Toronto, and catalogued as number 96767; thence north 79° 24' 30" east 3308.372 metres; thence south 89° 49' 00" east 3006.931 metres; thence north 58° 26' 30" east 859.658 metres; thence south 89° 49' 50" east 1234.062 metres; thence south 2° 10' 30" west 1782.269 metres; thence south 54° 10' 20" west 2108.633 metres; thence south 77° 21' 40" west 3624.218 metres; thence south 2° 28' 20" west 1366.165 metres; thence south 89° 56' 00" west 2850.328 metres to the west boundary of the Territorial District of Thunder Bay; thence southerly along that boundary to the International Boundary between Canada and the United States of America; thence in a general south-westerly, northwesterly, southwesterly and northwesterly direction along that boundary to the line of longitude 92° 30'; thence north astronomically along that line of longitude to the water's edge along the southerly shore of Seine River; thence in an easterly direction along that water's edge to the south boundary of Indian Reserve 23A; thence easterly along the south boundary of Indian Reserve 23A to the southeast corner thereof; thence northerly along the east boundary of Indian Reserve 23A to the water's edge along the southerly shore of Seine River; thence in an easterly direction along that water's edge to the southerly limit of the right of way of the King's Highway known as number 11; thence easterly along that limit to the intersection with the southerly production of the east boundary of the geographic Township of Bennett; thence northerly along that southerly production and the east boundary of that township and the northerly production of that east boundary to the boundary between the territorial districts of Kenora and Rainy River; thence westerly along that boundary to the 5th meridian line as surveyed by A. Niven, Ontario Land Surveyor in 1897; thence northerly along that meridian line to the intersection with a line drawn on a course of

west astronomic from the southwest corner of the geographic Township of Grummett; thence east astronomically along that line to the place of beginning. O. Reg. 208/84, Sched.

(4505)

17

HEALTH INSURANCE ACT

O. Reg. 209/84.

General.

Made—March 29th, 1984.

Filed—April 3rd, 1984.

REGULATION TO AMEND REGULATION 452 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE HEALTH INSURANCE ACT

- 1.—(1) Subclause 43 (1) (b) (vi) of Regulation 452 of Revised Regulations of Ontario, 1980 is revoked and the following substituted therefor:

(vi) accommodation that is being held for a person in an extended care unit where the person is on a casual leave of absence, extended medical leave of absence, medical leave of absence or a vacation leave of absence within the meaning of Regulation 690 of Revised Regulations of Ontario, 1980;

- (2) Clause 43 (4) (e) of the said Regulation is revoked.

(4511)

17

MENTAL HOSPITALS ACT

O. Reg. 210/84.

General.

Made—March 29th, 1984.

Filed—April 4th, 1984.

REGULATION TO AMEND REGULATION 611 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE MENTAL HOSPITALS ACT

1. Forms 1 and 2 of Regulation 611 of Revised Regulations of Ontario, 1980 are revoked and the following substituted therefor:

Form 1

Mental Hospitals Act

CERTIFICATE FOR APPROVED HOME

I, the Minister of Health for the Province of Ontario, do hereby certify that the premises located

at in the
of
in the County (or as the case may be) of
may be used by
as an approved home for patient(s) of the
.....
(Name of Institution)

unless and until this certificate is revoked in writing
under my hand.

Minister of Health

Date 19...
O. Reg. 210/84, s. 1, *part.*

Formule n° 1

Loi sur les hôpitaux psychiatriques

ACTE D'AGRÈMENT D'UN FOYER

Je soussigné, ministre de la Santé de la province de
l'Ontario, atteste par la présente que les locaux situés
à (au) dans le (la)
du (de la)
dans le comté de, selon le cas,
conviennent à l'établissement, par
d'un foyer agréé pour malade(s) de
.....
(nom de l'établissement)

Le présent acte est valide jusqu'à sa révocation
écrite de ma main.

Le ministre de la Santé

Le 19...
O. Reg. 210/84, s. 1, *part.*

Form 2

Mental Hospitals Act

REVOCATION OF CERTIFICATE FOR
APPROVED HOME

Whereas a certificate has been issued under the
hand of the Minister of Health for the Province of

Ontario on the day of
19 to the effect that the premises located
at in the
of in the County
(or as the case may be) of
may be used by
as an approved home for patient(s) of the
.....
(Name of Institution)

I do hereby revoke the said certificate.

Minister of Health

Date 19...
O. Reg. 210/84, s. 1, *part.*

Formule n° 2

Loi sur les hôpitaux psychiatriques

RÉVOCATION DU CERTIFICAT D'AGRÈMENT
D'UN FOYER

Attendu qu'un certificat d'agrément signé par le
ministre de la Santé de l'Ontario, a été délivré le ...
.....19....
selon lequel les locaux situés à (au)
dans le (la) de
dans le comté (ou selon le cas) de
conviennent à l'établissement par
d'un foyer agréé pour malade(s) de
.....
(nom de l'établissement)

je révoque par les présentes le certificat susmentionné.

Le ministre de la Santé

Fait le 19...
O. Reg. 210/84, s. 1, *part.*

MINISTRY OF HEALTH ACT

O. Reg. 211/84.
Physiotherapy Bursaries.
Made—February 27th, 1984.
Approved—March 29th, 1984.
Filed—April 4th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 488/82
MADE UNDER THE
MINISTRY OF HEALTH ACT

1. Section 1 of Ontario Regulation 488/82 is amended by adding thereto the following clause:
- (ea) “resident” means a person who is legally entitled to remain in Canada and who makes his home and is ordinarily present in Ontario, but does not include a tourist, a transient or a visitor to Ontario;
2. Section 2 of the said Regulation, exclusive of the clauses, is revoked and the following substituted therefor:
2. A bursary of \$5,000 may be provided to an applicant who is a resident for his second-last or last academic year, where the applicant,

KEITH C. NORTON
Minister of Health

Dated at Toronto, this 27th day of February, 1984.

(4533)17

MINISTRY OF HEALTH ACT

O. Reg. 212/84.
Speech Pathology and Audiology
Bursaries.
Made—February 27th, 1984.
Approved—March 29th, 1984.
Filed—April 4th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 440/83
MADE UNDER THE
MINISTRY OF HEALTH ACT

1. Section 1 of Ontario Regulation 440/83 is amended by adding thereto the following clause:
- (f) “resident” means a person who is legally entitled to remain in Canada and who makes his home and is ordinarily present in Ontario,

but does not include a tourist, a transient or a visitor to Ontario.

2. Section 2 of the said Regulation, exclusive of the clauses, is revoked and the following substituted therefor:

2. A bursary of \$5,000 may be provided to an applicant who is a resident for his second-last or last post-graduate academic year, where the applicant,

KEITH C. NORTON
Minister of Health

Dated at Toronto, this 27th day of February, 1984.

(4534)17

PLANNING ACT, 1983

O. Reg. 213/84.
Restricted Areas—County of Simcoe,
Township of Nottawasaga.
Made—March 30th, 1984.
Filed—April 4th, 1984.

REGULATION TO AMEND
REGULATION 675 OF
REVISED REGULATIONS OF ONTARIO, 1970
MADE UNDER THE
PLANNING ACT, 1983

1. Regulation 675 of Revised Regulations of Ontario, 1970 is amended by adding thereto the following sections:

195.—(1) Notwithstanding any other provision of this Order, a single-family dwelling and buildings and structures accessory thereto may be erected and used on the land described in subsection (2) provided the following requirements are met:

Minimum front and rear yards	7.6 metres
Minimum side yards	3 metres on one side and 1.2 metres on the other side
Maximum height of single-family dwelling	9.1 metres
Maximum lot coverage	15 per cent
Minimum ground floor area of single-family dwelling	one storey—93 square metres one and one-half storeys or more—69.8 square metres

(2) Subsection (1) applies to that parcel of land situate in the Township of Nottawasaga in the County of Simcoe, being that part of Lot 31 in Concession X more particularly described as the east fifteen acres of the west forty-five acres of the said Lot 31. O. Reg. 213/84, s. 1, *part*.

196.—(1) Notwithstanding any other provision of this Order, a seasonal dwelling and buildings and structures accessory thereto may be erected and used on the land described in subsection (2) provided the following requirements are met:

Minimum front yard	7.6 metres
Minimum side yards	3 metres on one side and 1.2 metres on the other side
Maximum height of seasonal dwelling	9.1 metres
Maximum lot coverage	15 per cent
Minimum ground floor area of seasonal dwelling	one storey—93 square metres one and one-half storeys or more—69.8 square metres

(2) Subsection (1) applies to that parcel of land situate in the Township of Nottawasaga in the County of Simcoe being Lot 48 according to a Plan registered in the Land Registry Office for the Registry Division of Simcoe (No. 51) as Number 1096 excepting therefrom that part of the said Lot 48 sold to the Ministry of Transportation and Communications for road widening purposes as Highway Plan Number 1904-85 and being Part 7 on a Plan deposited in the said Land Registry Office as Number 286961. O. Reg. 213/84, s. 1, *part*.

197.—(1) Notwithstanding any other provision of this Order, a dry goods retail store and buildings and structures accessory thereto may be erected and used on the land described in subsection (2) provided the following requirements are met:

Minimum front and rear yards	7.6 metres
Minimum side yards	3 metres on one side and 1.2 metres on the other side
Maximum height of any building or structure	9.1 metres

(2) Subsection (1) applies to that parcel of land situate in the Township of Nottawasaga in the County of Simcoe, being composed of Block B on a Plan

registered in the Land Registry Office for the Registry Division of Simcoe (No. 51) as Number 930. O. Reg. 213/84, s. 1, *part*.

D. P. McHUGH

Director

Plans Administration Branch

Central and Southwest

Ministry of Municipal Affairs

and Housing

Dated at Toronto, this 30th day of March, 1984.

(4535)

17

GENERAL WELFARE ASSISTANCE ACT

O. Reg. 214/84.
General.
Made—March 29th, 1984.
Filed—April 4th, 1984.

REGULATION TO AMEND
REGULATION 441 OF
REVISED REGULATIONS OF ONTARIO, 1980
MADE UNDER THE
GENERAL WELFARE ASSISTANCE ACT

1. Subsection 6 (4) of Regulation 441 of Revised Regulations of Ontario, 1980 is revoked and the following substituted therefor:

(4) An employable person under the age of eighteen years is not eligible for assistance unless the Welfare Administrator is satisfied that there are special circumstances that justify providing the assistance. O. Reg. 214/84, s. 1.

2.—(1) Subsection 11 (4) of the said Regulation is revoked.

(2) Subsection 11 (4a) of the said Regulation, as made by subsection 4 (2) of Ontario Regulation 786/82, is revoked.

3. Subsection 12 (1a) of the said Regulation, as made by section 1 of Ontario Regulation 558/83, is revoked and the following substituted therefor:

(1a) For the purposes of clause (1) (b), “rent”, in the case of an applicant or recipient,

(a) who is a tenant paying rent that is geared to income in housing accommodation that is owned, operated or provided by or on behalf of the Crown in right of Canada, the Crown in right of Ontario, a municipality, or any agency thereof; and

(b) who is paying less than the amount that would be charged for accommodation that is fully serviced,

means rent at the rate that would be charged to the applicant or recipient at the fully serviced rent scale as established by the Ontario Housing Corporation.
O. Reg. 214/84, s. 3.

4.—(1) Paragraph 1 of subsection 13 (2) of the said Regulation, as remade by subsection 2 (1) of Ontario Regulation 657/83, exclusive of the subparagraphs, is revoked and the following substituted therefor:

1. Where the applicant or recipient is a single person or a head of a family with a dependant who is a spouse, the gross income from wages, salaries and casual earnings other than the casual earnings of any dependant of the applicant or recipient and where the applicant or recipient or the spouse of the applicant or recipient, as the case may be, is an unemployable person, the net income of that person as determined by the welfare administrator from an interest in or operation of a business but the welfare administrator may exempt,

(2) Paragraph 1a of the said subsection 13 (2), as made by subsection 2 (1) of Ontario Regulation 657/83, exclusive of the subparagraphs, is revoked and the following substituted therefor:

1a. Where the applicant or recipient is a head of a family with no spouse included for the purpose of computing the amount of assistance, the gross monthly income from wages, salaries and casual earnings other than the casual earnings of any dependant of the applicant or recipient and net monthly income as determined by the welfare administrator from an interest in or operation of a business but the welfare administrator may exempt,

or the welfare administrator may exempt the amounts set out in paragraph 1;

(3) The said subsection 13 (2), as amended by section 2 of Ontario Regulation 655/82, subsection 6 (2) of Ontario Regulation 786/82, section 3 of Ontario Regulation 361/83, section 2 of Ontario Regulation 657/83, section 5 of Ontario Regulation 691/83 and section 4 of Ontario Regulation 785/83, is further amended by striking out "but shall not include" in the one-hundred and twenty-second line.

(4) Paragraph 12 of the said subsection 13 (2) is revoked and the following substituted therefor:

12. any payment received by or on behalf of an applicant, recipient or beneficiary under the *Pension Act* (Canada), the *Unemployment*

Insurance Act, 1971 (Canada), the *War Veterans Allowance Act* (Canada), the *Civilian War Pensions and Allowances Act* (Canada), the *Compensation for Victims of Crime Act*, the *Workers' Compensation Act*, the *Quebec Pension Plan* (Quebec) and the *Canada Pension Plan*,

but shall not include,

12a. any benefits received under this Act and the Regulations;

(5) The said subsection 13 (2) is further amended by adding thereto the following paragraphs:

38. any payment made by an Indian Band as an incentive bonus for school attendance to any dependant of an applicant or a recipient who is attending school;

39. any death benefit payment under the *Canada Pension Plan*.

(6) Subsection 13 (2a) of the said Regulation, as made by subsection 2 (2) of Ontario Regulation 657/83, is revoked.

5. This Regulation comes into force on the 1st day of April, 1984.

(4536)

17

VOCATIONAL REHABILITATION SERVICES ACT

O. Reg. 215/84.

General.

Made—March 29th, 1984.

Filed—April 4th, 1984.

REGULATION TO AMEND REGULATION 943 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE VOCATIONAL REHABILITATION SERVICES ACT

1. Clauses 1 (1) (d) and (f) of Regulation 943 of Revised Regulations of Ontario, 1980 are revoked.

2. This Regulation comes into force on the 1st day of April, 1984.

(4537)

17

FAMILY BENEFITS ACT

O. Reg. 216/84.

General.

Made—March 29th, 1984.

Filed—April 4th, 1984.

REGULATION TO AMEND
REGULATION 318 OF
REVISED REGULATIONS OF ONTARIO, 1980
MADE UNDER THE
FAMILY BENEFITS ACT

1. Subsection 10 (2) of Regulation 318 of Revised Regulations of Ontario, 1980, as remade by section 2 of Ontario Regulation 690/83, is revoked and the following substituted therefor:

(2) Subsection (1) does not apply to income referred to in paragraph 1 or paragraphs 14 to 40 of subsection 13 (2). O. Reg. 216/84, s. 1.

- 2.—(1) Subsection 11 (4) of the said Regulation is revoked.

- (2) Subsection 11 (5) of the said Regulation, as made by section 6 of Ontario Regulation 459/82, is revoked.

- 3.—(1) Subsection 12 (1a) of the said Regulation, as made by section 1 of Ontario Regulation 557/83, is revoked and the following substituted therefor:

(1a) For the purposes of clause (1) (a), "rent", in the case of an applicant or recipient,

- (a) who is a tenant paying rent that is geared to income in housing accommodation that is owned, operated or provided by or on behalf of the Crown in right of Canada, the Crown in right of Ontario, a municipality, or any agency thereof; and
- (b) who is paying less than the amount that would be charged for accommodation that is fully serviced,

means rent at the rate that would be charged to the applicant or recipient at the fully serviced rent scale as established by the Ontario Housing Corporation. O. Reg. 216/84, s. 3 (1).

- (2) Paragraph 7a of subsection 12 (3) of the said Regulation, as remade by subsection 1 (1) of Ontario Regulation 404/82, is revoked and the following substituted therefor:

7a. In determining the shelter subsidy of an applicant or recipient for the purposes of paragraph 7, the Director shall take into account,

- i. any family relationship that exists between the applicant or recipient and the person or persons to whom the applicant or recipient is paying rent; and

- ii. any other circumstances of the household where the applicant or recipient resides,

and may reduce the monthly budgetary requirements under paragraph 7 accordingly.

- (3) Section 12 of the said Regulation is amended by adding thereto the following subsection:

(9) For the purpose of computing the monthly allowance of an applicant or a recipient who is,

- (a) a person referred to in clause 7 (1) (c) of the Act or subsection 2 (5) of this Regulation and a resident in a community resource centre established under section 15 of the *Ministry of Correctional Services Act*; and
- (b) a parolee as defined in clause 1 (i) of the *Ministry of Correctional Services Act* or a probationer as defined in clause 1 (i) of that Act,

the monthly budgetary requirements shall be a comfort allowance in an amount to be determined by the Director but not exceeding \$61 per month. O. Reg. 216/84, s. 3 (3).

- 4.—(1) Subsection 13 (2) of the said Regulation, as amended by subsection 8 (2) of Ontario Regulation 459/82, section 4 of Ontario Regulation 654/82, section 4 of Ontario Regulation 847/82, section 3 of Ontario Regulation 360/83, section 5 of Ontario Regulation 690/83 and section 4 of Ontario Regulation 784/83, is further amended by striking out "but shall not include" in the one-hundred and twenty-third line.

- (2) Paragraph 13 of the said subsection 13 (2), as remade by subsection 8 (2) of Ontario Regulation 459/82, is revoked and the following substituted therefor:

13. any payment received by or on behalf of an applicant, recipient or beneficiary under the *Pension Act* (Canada), the *Unemployment Insurance Act, 1971* (Canada), the *War Veterans Allowance Act* (Canada), the *Civilian War Pensions and Allowances Act* (Canada), the *Compensation for Victims of Crime Act*, the *Workers' Compensation Act*, the *Quebec Pension Plan* (Quebec) and the *Canada Pension Plan*,

but shall not include,

- 13a. any benefits received under this Act and the Regulations;

(3) The said subsection 13 (2) is further amended by adding thereto the following paragraphs:

39. any payment made by an Indian Band as an incentive bonus for school attendance to any dependant of an applicant or recipient who is attending school;

40. any death benefit payment under the *Canada Pension Plan*.

(4) Subsection 13 (7) of the said Regulation, as remade by subsection 8 (4) of Ontario Regulation 459/82, is revoked and the following substituted therefor:

(7) Where, in the opinion of the Director, any payment of the income referred to in paragraph 2, 3, 4, 5, 6, 7, 8, 11 or 13 of subsection (2) applies to a number of months, he may average the income over that number of months. O. Reg. 216/84, s. 4 (4).

5. Subsection 20 (2) of the said Regulation is revoked and the following substituted therefor:

(2) The Minister shall designate as Chairman of the Board any person appointed under subsection (1). O. Reg. 216/84, s. 5.

6.—(1) Clause 30 (2) (e) of the said Regulation, as remade by subsection 6 (1) of Ontario Regulation 360/83, is revoked and the following substituted therefor:

(e) the amount of his budgetary requirements determined in accordance with section 12.

(2) Subsection 30 (5) of the said Regulation, as remade by subsection 6 (2) of Ontario Regulation 784/83, exclusive of the clauses and Table, is revoked and the following substituted therefor:

(5) For the purposes of clause (4) (a), the amount shall equal the sum of,

and, where the applicant or recipient has one or more dependent children, an amount determined in accordance with the following Table:

(3) Subsection 30 (6) of the said Regulation, as made by section 6 of Ontario Regulation 847/82, is revoked and the following substituted therefor:

(6) An applicant or recipient whose budgetary requirements equal the amount determined under subsection (3) or (5) shall have his budgetary requirements increased by an amount equal to the shelter subsidy calculated in accordance with paragraph 7 of subsection 12 (3) or an amount equal to the cost of fuel in

accordance with paragraph 8 of subsection 12 (3), whichever is the higher amount. O. Reg. 216/84, s. 6 (3).

7. Section 34 of the said Regulation, as amended by section 6 of Ontario Regulation 634/81, section 7 of Ontario Regulation 847/82, section 8 of Ontario Regulation 690/83 and section 8 of Ontario Regulation 784/83, is revoked and the following substituted therefor:

34.—(1) Where a person referred to in subsection 2 (6) is required to change his or her place of residence in order to obtain and receive assessment or training under a vocational rehabilitation program established under section 5 of the *Vocational Rehabilitation Services Act* while maintaining the person's normal place of residence, there may be paid to the applicant or recipient in addition to an allowance, an amount determined by the Director up to a maximum of \$307 per month.

(2) A person who,

(a) is not eligible for an allowance;

(b) is, with the approval of the Director of the Vocational Rehabilitation Services Branch of the Ministry of Community and Social Services, enrolled in an assessment or training program established under section 5 of the *Vocational Rehabilitation Services Act*; and

(c) is a resident or patient in an institution under the *Mental Hospitals Act*,

may be paid for transportation or work-related expenses, an amount determined by the Director but not exceeding \$61 per month.

(3) A payment under this section is a class of benefit other than an allowance. O. Reg. 216/84, s. 7.

8. This Regulation comes into force on the 1st day of April, 1984.

(4538)

17

FARM PRODUCTS GRADES AND SALES ACT

O. Reg. 217/84.

Grades—Fruit and Vegetables.

Made—March 29th, 1984.

Filed—April 5th, 1984.

REGULATION TO AMEND REGULATION 332 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE FARM PRODUCTS GRADES AND SALES ACT

1. Clause 1 (g) of Regulation 332 of Revised Regulations of Ontario, 1980 is revoked.

2. Section 38 of the said Regulation is revoked and the following substituted therefor:

38. The fees under sections 37, 40 and 41 shall be paid within fifteen days of receipt of a statement of account from the Director, to the Treasurer of Ontario at the address indicated on the statement. O. Reg. 217/84, s. 2.

- 3.—(1) Subsection 40 (1) of the said Regulation, as remade by section 1 of Ontario Regulation 114/83, is amended by striking out “1.20” in the second line and inserting in lieu thereof “1.40”.

- (2) Subsection 40 (4) of the said Regulation is revoked.

- (3) Subsection 40 (5) of the said Regulation, as remade by section 4 of Ontario Regulation 764/81, is amended by striking out “of the Farm Products Quality Branch of the Ministry of Agriculture and Food” in the second, third and fourth lines.

4. Subsection 41 (4) of the said Regulation is revoked.

5. Section 100 of the said Regulation, as remade by section 7 of Ontario Regulation 764/81 and amended by section 2 of Ontario Regulation 114/83, is revoked and the following substituted therefor:

100.—(1) In this section,

- (a) “grass green” means immature tomatoes whose surface is totally green or greenish-white;

- (b) “limited use” means tomatoes that are,

- (i) affected by black mould, early blight, late blight, decay, frost, insect feeding or blossom end rot to the extent that each tomato incurs a loss in trimming of 15 per cent or less by weight,

- (ii) affected by sunscald, sunburn, shrivelling, blotchy ripening, grey wall, growth cracks, catfacing, cracked or damaged fruit, broken locules, hail, bacterial speck or bacterial spot to the extent that each tomato incurs a loss in trimming of more than 15 per cent by weight, or

- (iii) affected by one spot of anthracnose;

- (c) “material other than tomato” means dirt, vines, loose stems, attached stems over one inch long or past the first joint, or any other foreign substance;

- (d) “non-peelable” means tomatoes that are,

- (i) affected by black mould, early blight, late blight, decay, frost, insect feeding or blossom end rot to the extent that each tomato incurs a loss in trimming of 15 per cent or less by weight,

- (ii) affected by growth cracks, catfacing, cracked or damaged fruit, broken locules, hail, bacterial speck or bacterial spot to the extent that each tomato incurs a loss in trimming of more than 15 per cent by weight,

- (iii) affected by sunscald, sunburn, blotchy ripening or grey wall to more than 15 per cent of the surface area of each tomato,

- (iv) affected by one spot of anthracnose,

- (v) affected by internally sprouted seeds, or

- (vi) not of a flesh colour, when the skin is removed, which meets the colour requirement of Canada Choice grade canned tomatoes established under the *Canada Agricultural Products Standards Act*;

- (e) “other defects” means tomatoes that are,

- (i) affected by black mould, white mould, early blight, late blight, decay, frost, insect feeding or blossom end rot to the extent that each tomato incurs a loss in trimming of more than 15 per cent by weight,

- (ii) affected by any defect causing the tomato to be sour, or

- (iii) affected by more than one spot of anthracnose;

- (f) “processing breakers” means immature tomatoes that are,

- (i) coloured to the extent that at least 90 per cent of the surface shows a blush of yellow, pink or orange, and

- (ii) of an Agtron E-5M reading greater than 77 when determined on cut halves;

- (g) “processing green” means immature tomatoes that have an external blush of yellow, pink or orange but more than 10 per cent of the surface area is green.

- (2) The grades for tomatoes for processing are as follows:

1. Option A, consisting of tomatoes that are,

- (a) of an Agtron E-5M juice colour reading of 36 or less when pureed using a method approved by the Director;
- (b) not grass green, processing green or processing breakers;
- (c) not limited use or other defects; and
- (d) free from insects, worms, insect excrement and material other than tomato.

2. Option B, consisting of tomatoes that are,

- (a) of an Agtron E-5M juice colour reading of 36 or less when pureed using a method approved by the Director;
- (b) not grass green or processing green;
- (c) not limited use or other defects; and
- (d) free from insects, worms, insect excrement and material other than tomato.

3. Option C, consisting of tomatoes that are,

- (a) not grass green or processing green;
- (b) not non-peelable or other defects; and
- (c) free from insects, worms, insect excrement and material other than tomato.

(3) Tolerances by weight for variations incidental to commercial grading and handling for each load of tomatoes for processing shall not be more than:

1. For Option A,

- (a) 1 per cent affected by insects, worms or insect excrement;
- (b) 5 per cent total undercolour fruit consisting of,
 - (i) not more than 1 per cent grass green,
 - (ii) not more than 1 per cent processing green, or 2 per cent if there are no grass green,
 - (iii) not more than 3 per cent processing breakers, or 5 per cent if there are no grass green or processing green, or 4 per cent if there is a combination of 1 per cent grass green and no processing green or no grass green and 1 per cent processing green;

- (c) 7 per cent other defects;
- (d) 20 per cent limited use; and
- (e) 3 per cent material other than tomato.

2. For Option B,

- (a) 1 per cent affected by insects, worms or insect excrement;
- (b) 2 per cent total undercolour fruit consisting of,
 - (i) not more than 1 per cent grass green,
 - (ii) not more than 1 per cent processing green, or 2 per cent if there are no grass green;
- (c) 7 per cent other defects;
- (d) 20 per cent limited use; and
- (e) 3 per cent material other than tomato.

3. For Option C,

- (a) 1 per cent affected by insects, worms or insect excrement;
- (b) 2 per cent total undercolour fruit consisting of,
 - (i) not more than 1 per cent grass green,
 - (ii) not more than 1 per cent processing green, or 2 per cent if there are no grass green;
- (c) 7 per cent other defects;
- (d) 30 per cent non-peelable; and
- (e) 3 per cent material other than tomato,

but the combination of allowable tolerances shall not be more than 30 per cent. O. Reg. 217/84, s. 5.

(4539)

17

FARM INCOME STABILIZATION ACT

O. Reg. 218/84.

Plan—Corn Stabilization, 1982-1984.

Made—February 10th, 1984.

Approved—March 29th, 1984.

Filed—April 5th, 1984.

REGULATION TO AMEND ONTARIO REGULATION 669/82 MADE UNDER THE FARM INCOME STABILIZATION ACT

1. Section 11 of Ontario Regulation 669/82, as remade by section 1 of Ontario Regulation 791/83, is revoked and the following substituted therefor:

11. The base price for corn for the 1982 crop year is \$114.07 per tonne. O. Reg. 218/84, s. 1.

2. Sections 12 and 13 of the said Regulation, as made by section 1 of Ontario Regulation 791/83, are revoked and the following substituted therefor:

12. The stabilization price for corn for the 1982 crop year is \$120.57 per tonne. O. Reg. 218/84, s. 2, *part*.

13. The farm product receipts for corn for the 1982 crop year are calculated to be \$114.86 per tonne. O. Reg. 218/84, s. 2, *part*.

FARM INCOME STABILIZATION COMMISSION
OF ONTARIO:

M. HUFF
Chairman

B. HUNTER
Secretary

Dated at Toronto, this 10th day of February, 1984.

(4540)

17

PUBLIC HEALTH ACT

O. Reg. 219/84.

Communicable Diseases.

Made—April 2nd, 1984.

Approved—April 5th, 1984.

Filed—April 5th, 1984.

REGULATION TO AMEND REGULATION 836 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE PUBLIC HEALTH ACT

1. Section 8 of Regulation 836 of Revised Regulations of Ontario, 1980 is revoked and the following substituted therefor:

KEITH C. NORTON
Minister of Health

8. A physician attending at the birth of a child shall, within one hour after delivery or so soon thereafter as is practicable, instil into each conjunctival sac of the newborn child such quantity of 1 per cent solution of silver nitrate or another effective ophthalmic agent as in his opinion will be sufficient, without injury to the child, to kill any germs that might cause ophthalmia neonatorum. O. Reg. 219/84, s. 1.

Dated at Toronto, this 2nd day of April, 1984.

(4541)

17

MUNICIPAL BOUNDARY NEGOTIATIONS ACT, 1981

O. Reg. 220/84.

Village of Glencoe—Township of Ekfrid—
Township of Mosa Boundary.

Made—March 29th, 1984.

Filed—April 5th, 1984.

ORDER IN COUNCIL

R.O.C. 141/84

WHEREAS The Corporation of the Village of Glencoe, The Corporation of the Township of Ekfrid and The Corporation of the Township of Mosa have entered into an agreement dated the 7th day of November, 1983, for the resolution of certain inter-municipal boundary issues;

AND WHEREAS public notice was given by the Clerk of the Executive Council under subsection 17 (1) of the *Municipal Boundary Negotiations Act, 1981* of the intention to make an order implementing the intermunicipal agreement;

AND WHEREAS no objections to the proposed issuance of the order were filed with the Clerk of the Executive Council within the filing period;

NOW THEREFORE on the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders under section 14 of the *Municipal Boundary Negotiations Act, 1981* that,

1.—(1) On the 1st day of May, 1984, the portion of the Township of Ekfrid described in Schedule A is annexed to the Village of Glencoe.

(2) On the 1st day of May, 1984, the portion of the Township of Mosa described in Schedule B is annexed to the Village of Glencoe.

2.—(1) All real property of The Corporation of the Township of Ekfrid situate in the area described in Schedule A vests in The Corporation of the Village of Glencoe on the 1st day of May, 1984.

(2) All real property of The Corporation of the Township of Mosa situate in the area described in Schedule B vests in The Corporation of the Village of Glencoe on the 1st day of May, 1984.

3.—(1) On the 1st day of May, 1984, the by-laws of the Village of Glencoe extend to the annexed area described in Schedule A and the by-laws of the Township of Ekfrid cease to apply to such area, except by-laws passed by the Township of Ekfrid under section 34 of the *Planning Act, 1983* or a predecessor of that section or which are kept in force by subsection 13 (3) of the *Municipal Amendment Act, 1941*, and by-laws passed under section 41 of the *Planning Act, 1983*

or a predecessor of that section which shall remain in force until repealed by the council of the Village of Glencoe, and except by-laws conferring rights, privileges, franchises, immunities or exemptions that could not have been lawfully repealed by the council of the Township of Ekfrid.

(2) On the 1st day of May, 1984, the by-laws of the Village of Glencoe extend to the annexed area described in Schedule B and the by-laws of the Township of Mosa cease to apply to such area, except by-laws passed by the Township of Mosa under section 34 of the *Planning Act, 1983* or a predecessor of that section or which are kept in force by subsection 13 (3) of *The Municipal Amendment Act, 1941*, and by-laws passed under section 41 of the *Planning Act, 1983* or a predecessor of that section which shall remain in force until repealed by the council of the Village of Glencoe, and except by-laws conferring rights, privileges, franchises, immunities or exemptions that could not have been lawfully repealed by the council of the Township of Mosa.

4.—(1) The clerk of the Township of Ekfrid shall forthwith prepare and furnish to the clerk of the Village of Glencoe a special collector's roll showing all arrears of taxes or special rates assessed against the lands in the annexed area described in Schedule A up to the 30th day of April, 1984, and the persons assessed therefor.

(2) The clerk of the Township of Mosa shall forthwith prepare and furnish to the clerk of the Village of Glencoe a special collector's roll showing all arrears of taxes or special rates assessed against the lands in the annexed area described in Schedule B up to the 30th day of April, 1984, and the persons assessed therefor.

5.—(1) All real property taxes levied under any general or special Act and uncollected in the area described in Schedule A which are due and unpaid on the 1st day of May, 1984 shall be deemed on that date to be taxes due and payable to The Corporation of the Village of Glencoe and may be collected by The Corporation of the Village of Glencoe in accordance with the provisions of the *Municipal Affairs Act*.

(2) On or before the 1st day of August, 1984, The Corporation of the Village of Glencoe shall pay to The Corporation of the Township of Ekfrid an amount equal to the amount of all real property taxes that The Corporation of the Village of Glencoe is entitled to collect in the area described in Schedule A under subsection (1), that were due but unpaid on the 1st day of May, 1984.

(3) All real property taxes levied under any general or special Act and uncollected in the area described in Schedule B which are due and unpaid on the 1st day of May, 1984 shall be deemed on that date to be taxes due and payable to The Corporation of the Village of Glencoe and may be collected by The Corporation of the Village of Glencoe in accordance with the provisions of the *Municipal Affairs Act*.

(4) On or before the 1st day of August, 1984, The Corporation of the Village of Glencoe shall pay to The Corporation of the Township of Mosa an amount equal to the amount of all real property taxes that The Corporation of the Village of Glencoe is entitled to collect in the area described in Schedule B under subsection (3), that were due but unpaid on the 1st day of May, 1984.

6.—(1) All business taxes levied and uncollected in the area described in Schedule A which are due and unpaid on the 30th day of April, 1984 shall continue after that date to be taxes due and payable to The Corporation of the Township of Ekfrid and may be collected by The Corporation of the Township of Ekfrid.

(2) All business taxes levied and uncollected in the area described in Schedule B which are due and unpaid on the 30th day of April, 1984 shall continue after that date to be taxes due and payable to The Corporation of the Township of Mosa and may be collected by The Corporation of the Township of Mosa.

7.—(1) The assessment of land in the areas described in Schedules A and B upon which the taxes after the 30th day of April, 1984 shall be levied shall be determined by the Assessment Commissioner in accordance with the classes of real property and the factors prescribed for the Village of Glencoe by Ontario Regulation 867/81.

(2) Where the Assessment Commissioner makes an assessment in accordance with subsection (1), the provisions of section 34 of the *Assessment Act* shall apply to such assessment.

8.—(1) The agreement dated the 7th day of November, 1983 between The Corporation of the Village of Glencoe, The Corporation of the Township of Ekfrid and The Corporation of the Township of Mosa referred to herein is hereby given effect.

(2) The program of compensating payments to be made by the Village of Glencoe to the Township of Ekfrid and the Township of Mosa as set out in paragraphs D-1, D-2 and D-3 of the agreement referred to in subsection (1) is deemed to be a matter within the meaning of subsection 149 (2) of the *Municipal Act* not requiring the approval of the Ontario Municipal Board. O. Reg. 220/84.

Recommended

CLAUDE F. BENNETT
Minister of Municipal Affairs
and Housing

Concurred

GEORGE R. MCCAGUE
Chairman

Approved and Ordered, March 29, 1984.

JOHN B. AIRD
Lieutenant Governor

SCHEDULE A

AREAS TO BE ANNEXED TO THE
VILLAGE OF GLENCOE

(i) Beginning at the southerly angle of Lot 24 in Concession I in the Township of Ekfrid;

Thence northeasterly along the southeasterly limit of that Lot 370.94 metres to a point;

Thence southeasterly crossing the road allowance between Concession I and Range II north of Longwoods Road to a point on the northwesterly limit of Lot 24 in the said Range II distant 370.94 metres measured northeasterly therealong from the westerly angle of that Lot;

Thence southeasterly and parallel with the southwesterly limit of that Lot to the southeasterly limit of the northerly half of Lot 24 in Range 2 North of Longwoods Road;

Thence southwesterly along that southeasterly limit to a point distant 73.15 metres measured northeasterly along that southeasterly limit from the southerly angle of that Lot;

Thence northwesterly and parallel with the southwesterly limit of that Lot 120.37 metres to a point;

Thence southwesterly and parallel with that southeasterly limit to the southwesterly boundary of the Township of Ekfrid;

Thence northwesterly along the said southwesterly boundary to the boundary of the Village of Glencoe;

Thence northeasterly and southeasterly along the boundaries of the said Village to the place of beginning.

(ii) Beginning at a point on the southwesterly limit of Lot 22 in Concession I in the Township of Ekfrid, distant 86.26 metres measured southeasterly from the northwesterly limit of the said Lot;

Thence southeasterly to the southeasterly limit of the northerly half of Lot 22;

Thence southwesterly along that southeasterly limit to an angle in the Village of Glencoe;

Thence northwesterly along the northeasterly boundary of the said Village to a point 86.26 metres measured southeasterly of the southeasterly limit of the Appin Road;

Thence northeasterly to the place of beginning.
O. Reg. 220/84, Sched. A.

SCHEDULE B

AREA TO BE ANNEXED TO THE
VILLAGE OF GLENCOE

Beginning at the easterly angle of Lot 2 in Concession II in the Township of Mosa;

Thence northwesterly along that northeasterly limit of that Lot 97.77 metres to the southeasterly limit of the right of way of the Canadian National Railways;

Thence southwesterly along the said southeasterly limit to the southwesterly limit of that Lot;

Thence southeasterly along that southwesterly limit to the southerly angle of that Lot;

Thence southeasterly to and along the southwesterly limit of Lot 2 in Concession I to a point distant 304.8 metres measured southeasterly therealong from the westerly angle of that Lot;

Thence northeasterly and parallel with the northwesterly limit of that Lot to the line between the easterly and westerly halves of that Lot;

Thence southeasterly along that line to the southerly limit of the northerly half of that Lot;

Thence northeasterly along that southerly limit to the northeasterly limit of that Lot;

Thence northwesterly along that northeasterly limit to the northerly angle of Lot 2 in Concession I;

Thence northwesterly crossing the road allowance between concessions I and II to the place of beginning.
O. Reg. 220/84, Sched. B.

(4542) 17

ENVIRONMENTAL ASSESSMENT ACT

O. Reg. 221/84.
Exemption—Ministry of Natural
Resources—MNR-26/3.
Made—March 29th, 1984.
Approved—March 29th, 1984.
Filed—April 9th, 1984.

ORDER MADE UNDER THE
ENVIRONMENTAL ASSESSMENT ACT

EXEMPTION—MINISTRY OF NATURAL
RESOURCES—MNR-26/3

Having received a request from the Minister of Natural Resources that an undertaking, namely:

Disposition by the Ministry of Natural Resources of certain or all rights to Crown resources for activities not otherwise subject to the Act,

be exempt from the application of the Act pursuant to section 29; and

Having been advised that if the undertaking is subject to the application of the Act, the following damage or interference with the person and property indicated will occur:

- A. The Crown will be interfered with and damaged by the undue expense required to prepare environmental assessments for undertakings that will have no significant adverse effect on the environment.

Having weighed such damage, or interference against the betterment of the people of the whole or any part of Ontario by the protection, conservation and wise management in Ontario of the environment which would result from the undertaking being subject to the application of the Act;

The undersigned is of the opinion that it is in the public interest to order and orders that the undertaking is exempt from the application of the Act for the following reasons:

- A. The projects within this undertaking are primarily administrative activities. Where the disposition of rights to Crown resources is associated with an activity which is subject to the Act, that disposition is not exempt by this order and will not be proceeded with under this order. In the event that a disposition of rights to Crown resources associated with activities which are not subject to the Act is initiated but, where, as a result of the notification requirement described in condition 2, below, the associated activity is designated by regulation as being subject to the Act, that portion of the disposition which has not been completed will not be exempted under this order;

- B. Activities which the Ministry of Natural Resources may undertake to initiate applications for the disposition of rights to Crown resources may, themselves, be undertakings which are subject to the *Environmental Assessment Act* and may not be proceeded with until approval under the Act has been received;

- C. Condition 2, to which this order is subject, will ensure that the Government and the public are given adequate opportunity to become informed of the Ministry of Natural Resources' intentions to issue dispositions of rights to Crown resources associated with activities which may have significant effects on the environment. The Government may, on the basis of this information, act to designate by regulation such activities under the Act; and

- D. The renewal or replacement of this order will be reviewed by the Environmental Assessment Advisory Committee.

This exemption is subject to the following terms and conditions:

1. This order does not exempt a disposition activity to a disposition applicant whose proposed activity is subject to the Act, (or would be so subject except for another exemption), unless the disposition applicant has complied with provisions of the Act, (including any provisions of an approval or other exemption), which apply to the disposition applicant with respect to the proposed activity.
2. Where a disposition is for a major commercial or business enterprise or activity, including all major resource extraction and commercial recreation developments, which is not subject to the Act, the following practices will be instituted by the Ministry of Natural Resources:
 - (a) The disposition applicant will be notified, upon application for disposition, that the proposed activity for which the disposition is being sought may ultimately be subject to the Act;
 - (b) This notification shall describe: the manner in which such a development may become subject to the Act, the appropriate agencies to contact for further information and the prohibitions attached to disposition should the project become subject to the Act before the disposition is completed. An illustrative format which may be used for such notices is as follows:

Illustrative Format of Notice to Applicant

MINISTRY OF NATURAL RESOURCES NOTICE TO APPLICANTS FOR DISPOSITION OF CROWN RESOURCES

In applying for the disposition by the Ministry of Natural Resources of certain or all rights to a Crown resource, YOU SHOULD DULY NOTE AND BE AWARE OF THE FOLLOWING:

1. *The act of granting your requested disposition by the Ministry of Natural Resources, is subject to requirements under the Environmental Assessment Act which is administered by the Ministry of the Environment. You are receiving this notice in compliance with one of these provisions.*

The remainder of this notice will give you a brief outline of how these provisions MAY affect you and your development proposal.

2. *Your proposed development MAY be designated by the Lieutenant Governor in Council to be subject to the Environmental Assessment Act. Should this occur, you WILL be required to prepare and submit an environmental assessment; also the Ministry of Natural Resources would NOT be allowed to grant the disposition you have requested, (should it not have been completed prior to such designation), or any further dispositions until you have satisfied the requirements of the Environmental Assessment Act.*
3. *The Director of the Environmental Assessment Branch of the Ministry of the Environment is being notified of your application for disposition and your development proposal. It is the responsibility of the Ministry of the Environment to notify you and to notify the Ministry of Natural Resources if your proposed development is to be considered by Cabinet for designation under the Environmental Assessment Act.*
4. *Further information on this matter can be obtained from:*

*Ontario Ministry of the Environment
Director, Environmental Assessment
Branch
135 St. Clair Avenue West
Toronto, Ontario M4V 1P5
(416-965-3980)*

*.....
Signature of MNR Official*

..... day of198.....

- (c) Upon notifying the disposition applicant the Ministry of Natural Resources shall also notify the Director of the Environmental Assessment Branch of the Ministry of the Environment. An illustrative format which may be used for such notices follows this condition. The nature of the information to be provided in such notices is set out therein. The Ministry of Natural Resources may not grant a disposition subject to this condition within 15 days after the notice has been received by the Director unless the Director notifies the Ministry of Natural Resources that the Ministry does not intend to initiate the designation of any proposed activities associated with the disposition. The disposition application shall not be granted until after a date specified by the Director, if, within the 15 day period following receipt of notice, the Director informs the Ministry of Natural Resources in writing that a further period of time, ending on the specified date (which shall not be more than 60 days after receipt of the notice by the Director) is needed to review the application. All notices received shall be kept as part of the public

record. Responsibility for initiating the designation of proposed activities associated with disposition applications under the Act and for notifying the disposition applicant and the Ministry of Natural Resources of any decision, will rest with the Ministry of the Environment.

Illustrative Format of Notice to Director

*Director
Environmental Assessment Branch
Ministry of the Environment*

Date:

Dear Sir:

*Re: Notice of Intent—Exemption Order
MNR-26/2 O. Reg. 655/83.*

This is to advise, in compliance with Condition 2 (d) of the above Order, that I intend to initiate the disposition of rights to Crown Resources in association with a proposed undertaking which I consider may be a major undertaking. The description of the undertaking is as follows:

(District Manager is to describe property, intended use, form of offering and potential significance of the undertaking by answering the following questions:

- 1. What is the stated purpose of the applicant's request?*
- 2. What land area (locate it on a map of suitable scale) and/or resources are being requested and what form of disposition is being considered and for what term?*
- 3. What developments or activities are anticipated to take place?*
- 4. In your opinion, provide an indication of the potential significant positive and negative effects upon the environment, as defined in the Environmental Assessment Act, that might be associated with the proposal and the means to be employed to mitigate any adverse effects. What conditions of approval could be employed to address these issues and how might these be monitored?*
- 5. Does the applicant's proposal conflict with MNR management objectives for the area? (If the answer is yes, describe the problem and resolution).*
- 6. In your opinion, are there other agencies' interests which might be affected by the applicant's proposal (i.e., policies, programs, plans or expectations of other Government Ministries, agencies, Municipal Govern-*

ments, local interest groups or adjacent property owners?) (If the answer is yes, describe the potential concern.))

If I do not hear from you to the contrary, I will assume that, fifteen days after you receive this Notice, I will be free to grant the disposition in accordance with Condition 2 (c) or 2 (d) of the above order.

District Manager

- (d) Should the Ministry of Natural Resources take an initiative which directly generates applications for disposition for, or facilitates the eventual establishment of a major commercial or business enterprise or activity, including all major resource extraction and commercial recreation development, the initiating office of the Ministry of Natural Resources shall notify the Director of the Environmental Assessment Branch of its intent to do so and shall be subject to the same practices respecting content of the notices and timing for granting of disposition applications as set out in Condition 2 (c) of this Order. Such notices shall be kept as part of the public record.
3. Where a disposition which otherwise would be exempt under this order, is being carried out in connection with, or is part of, an undertaking for which an environmental assessment has been done and approval to proceed received, the disposition shall not be exempt under this order but shall be carried out in accordance with the approval to proceed; and where the reasons for a condition of approval indicate the approval should apply to particular dispositions, such dispositions shall not be exempt hereunder; and
 4. Where a disposition is associated with a hydro-carbon pipeline project which has been approved by the National Energy Board or the Ontario Energy Board, the disposition shall not be subject to Condition 2.
 5. This order expires on the 29th day of June, 1984. O. Reg. 221/84.

ANDY BRANDT
Minister of the Environment

(4545)

17

RETAIL SALES TAX ACT

O. Reg. 222/84.

Definitions by Minister.

Made—April 9th, 1984.

Filed—April 9th, 1984.

REGULATION TO AMEND REGULATION 903 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE RETAIL SALES TAX ACT

1.—(1) Paragraph 3 of subsection 16 (1) of Regulation 903 of Revised Regulations of Ontario, 1980, as remade by section 7 of Ontario Regulation 568/83, is revoked and the following substituted therefor:

3. Catwalks, platforms, walkways and similar structures or equipment that are not,
 - i. adjuncts or adjacent to exempt production machinery or apparatus,
 - ii. designed for and dedicated to the particular piece of exempt production machinery or apparatus, and
 - iii. used by operating personnel in the course of operating the exempt production machinery or apparatus.

(2) Paragraph 13 of the said subsection 16 (1) is revoked and the following substituted therefor:

13. Tanks, bins, hoppers, silos or other facilities that are not used as the final storage for raw material or the first storage for finished goods or are not located on the manufacturing premises.

2. Subsection 16 (3) of the said Regulation, as made by section 7 of Ontario Regulation 568/83, is revoked and the following substituted therefor:

(3) For the purpose of paragraphs 45 and 70 of subsection 5 (1) of the Act, the following persons and corporations are prescribed as not entitled to the exemptions conferred by those paragraphs except for the exemption for processing materials conferred in paragraph 45:

1. Her Majesty in right of Ontario and all servants or agents of the Crown in right of Ontario with respect to machinery or equipment purchased by them as servants or agents of the Crown.
2. The corporation of a municipality including a district, metropolitan or regional municipal corporation.
3. A school board, public utility commission, transportation commission, public library board, board of park management, local board of health, board of commissioners of police, planning board or any other board, commission, committee, body or local authority established or exercising any power or authority under any Act with respect to any of the affairs or purposes, including school purposes, of a municipality or two or more municipalities or parts thereof.
4. Ontario Hydro, the Urban Transportation Development Corporation or any corporation

all of the directors of which are appointed by the Lieutenant Governor in Council.

5. Contractors and subcontractors in respect of their consumption of machinery and equipment to which paragraph 45 of subsection 5 (1) of the Act applies, consumed for the purpose of performing a contract or subcontract for the provision or installation of such machinery or equipment for any person or corporation to whom paragraph 1, 2, 3 or 4 applies. O. Reg. 222/84, s. 2.

3. Section 21 of the said Regulation, as amended by section 2 of Ontario Regulation 141/81, section 2 of Ontario Regulation 303/82 and section 9 of Ontario Regulation 568/83, is revoked.

4. This Regulation shall be deemed to have come into force on the 11th day of May, 1983.

BUD GREGORY
Minister of Revenue

Dated at Toronto, this 9th day of April, 1984.

(4546)

17

HOTEL FIRE SAFTY ACT

O. Reg. 223/84.
General.
Made—April 6th, 1984.
Filed—April 10th, 1984.

REGULATION MADE UNDER THE
HOTEL FIRE SAFETY ACT

PART I
GENERAL

INTERPRETATION AND ABBREVIATIONS

1.—(1) In this Regulation,

- 1. “air handling system” means an assembly of connected ducts, plenums or other air passages with associated fittings through which air is conducted, but does not include a cooking exhaust system;
- 2. “approved” means approved by the Fire Marshal;
- 3. “basement” means that portion of a hotel between two floor levels that is situated below the first storey;
- 4. “basic area” means the horizontal projected area inside the perimeter of the exterior or boundary walls;

5. “dead-end corridor” means a corridor or part of a corridor from which an exit is accessible in one direction only;

6. “exit” includes,
- i. an aisle, doorway, corridor, hallway, passageway, stairway, ramp, lobby, foyer and vestibule,

but does not include,

- ii. an escalator, elevator, slide escape, sliding door, turnstile, revolving door, overhead door, folding door, doorway to an enclosed court, ladder, hatch or window, except where approved as an alternate means of egress from a boiler, furnace, mechanical service, electrical service or other service room, or
- iii. a ramp with a gradient in excess of one in eight, or a doorway or passageway leading the public through a boiler room, furnace room, kitchen or other service room;

7. “fire alarm signal” means a clearly audible alarm or sound that is intended to warn of fire;

8. “fire alarm signalling device” means a sounding device that emits a fire alarm signal;

9. “fire damper” means a blade or damper arranged to interrupt air flow through part of an air handling system, so as to restrict the passage of heat and smoke;

10. “fire door” means a solid steel or hollow-steel or steel-clad door and frame or combination thereof or other approved door and frame that is self-closing and positive latching and may contain wired glass panels;

11. “fire extinguisher rating” means the rating of an extinguisher for extinguishing capacity and class of fire;

12. “fire hazard classification” means the rating assigned to a material upon an approved test of the flame spread, fuel contribution and smoke development of a representative specimen conducted by,

- i. The National Research Council of Canada,
- ii. Underwriters’ Laboratories of Canada, or
- iii. another approved testing laboratory;

13. "fire resistance rating" means the rating assigned to an assembly upon an approved test of the time of fire resistance of a representative specimen conducted by,
- i. The National Research Council of Canada,
 - ii. Underwriters' Laboratories of Canada, or

- iii. another approved testing laboratory;
14. "fire separation" means construction that is a barrier against the spread of fire and smoke, every opening in which is protected by closures, shafts or other approved means so that openings are effectively sealed against the passage of smoke and flame, rated in accordance with the following Table:

TABLE
FIRE SEPARATIONS

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5
Rating of Fire Separation (hr)	Minimum Fire Resistance Rating of Construction (hr)	Minimum Fire Resistance Rating of Closures (hr)	Minimum Fire Resistance Rating of Shafts (hr)	Minimum Fire Resistance of Closures in Shafts (hr)
¾	¾	¾	¾	¾
1	1	¾	¾	¾
1½	1½	1½	¾	¾
2	2	1½	¾	¾

NOTE: A fire door with a ¾-hour fire resistance rating may not contain a panel of wired glass with an area greater than .84m². A fire door with a 1½ hour fire resistance rating may not contain a panel of wired glass with an area greater than 645cm².

- 15. "fire wall" means a continuous, self-supporting, noncombustible fire separation that has a fire resistance rating of at least two hours and terminates on,
 - i. the ground,
 - ii. an exterior wall surface,
 - iii. an exterior roof surface, and
 - iv. another fire wall;
- 16. "flammable liquid" means a liquid with a flash point below 38°C and a vapour pressure of 280 kPa (absolute) at 38°C;
- 17. "floor area" means the area of any room, floor, or part of a floor of a hotel, measured from the inside surface of the walls which form its boundaries;
- 18. "grade" means the average level of the surface of the ground at the outside walls of a hotel;
- 19. "heavy timber construction" means an approved type of wood construction in which a degree of fire endurance is attained by requiring minimum sizes for wood structural assemblies;
- 20. "height in storeys" means the number of storeys between the roof of a hotel's uppermost storey and the floor of its first storey;
- 21. "high-rise hotel" means a hotel 18m or more in height above grade;
- 22. "hold-open device" means an electrically actuated hold-open device, listed by Underwriters' Laboratories of Canada or another approved testing laboratory, that automatically closes a fire door or smoke door on activation of a fire-alarm signal or on power failure;
- 23. "interior finish materials" means materials that form part of or are affixed to interior walls, ceilings, floors and other exposed interior surfaces, including,
 - i. wallpaper, plastic wall coverings, panelling, veneers, and paints and sprayed coating material having a thickness of more than 1.5mm,but not including,
 - ii. baseboards, mouldings, trim, doors, windows, door and window frames, chalkboards, notice boards, show-

- cases, paints and sprayed coating material having a thickness of 1.5mm or less, heavy timber construction, skylights, skydomes, decorations, drapes, furniture and lighting fixtures;
24. "noncombustible", when applied to a material or combination of materials, means material that will pass an approved test for determination of noncombustibility in building materials conducted by,
 - i. The Canadian Standards Association Testing Laboratories,
 - ii. The National Research Council of Canada,
 - iii. Underwriters' Laboratories of Canada, or
 - iv. another approved testing laboratory;
 25. "noncombustible construction" means an approved type of construction in which a degree of fire safety is obtained by the use of noncombustible material for structural assemblies and by limiting the amount of combustible material that is incorporated in the building construction;
 26. "occupant load" means the total number of persons that may occupy a hotel or part thereof at any one time, based on the allotment of a certain portion of the floor area for each person;
 27. "panic hardware" means an approved bar or panel listed by Underwriters' Laboratories of Canada or another approved laboratory or an approved bar or panel extending at least two-thirds the width of a door, placed at a height suitable for the service required, at least 1.1m above the floor, and designed to cause the door to open when a pressure of 90N or less is applied to the bar or panel in the direction of egress;
 28. "place of assembly" means a floor area that has an occupant load based on 1.2m² or less per person, as designated in section 13;
 29. "products of combustion detector" means a fire detector designed to cause a fire alarm system to operate when the concentration of airborne combustion products exceeds a predetermined level;
 30. "self-closing device" means a door-closer listed by Underwriters' Laboratories of Canada, or another approved testing laboratory, designed to return a door to the closed position on being opened;
 31. "smoke alarm" means a fire detector designed to produce an audible signal when the concentration of airborne combustion products exceeds a predetermined level;
 32. "smoke detector" means a products of combustion detector;
 33. "standpipe and hose system" means a system of pipes and hoses connected to a water supply for the purpose of applying water to a fire;
 34. "storage garage" means a part of a hotel used or intended to be used for the storage of automobiles;
 35. "total floor area" means the area of all floors of basements, mezzanines, storeys and penthouses in a hotel, measured from the inside surface of the exterior or boundary walls;
 36. "unit of exit width" means 550mm, and 300mm added to one or more full units of exit width shall be counted as one-half unit of exit width;
 37. "wired glass" means glass at least 6mm thick in which a mesh structure of wire is imbedded and completely covered;
 38. "wired glass screen" means a partition of steel or steel-clad framing containing wired glass panels none of which have an area exceeding .84m².
- (2) Wherever in this Regulation reference is made to a hotel that,
- (a) is constructed after a specific date, "constructed" means that building operations have progressed to the stage where excavation for the footings is complete; or
 - (b) exists on a specific date, "exists" means that building operations have progressed beyond the stage where excavation for the footings is complete. O. Reg. 223/84, s. 1.
2. In this Regulation,
- °C means Celsius degrees
- cm means centimetres
- hr means hours
- kg means kilograms
- kPa means kilopascals
- lx means Illuminations
- m means metres

mm means millimetres

N means Newtons

O. Reg. 223/84, s. 2.

PART II

CONSTRUCTION

STRUCTURAL ASSEMBLIES

3.—(1) A hotel or an addition to a hotel constructed after the 1st day of September, 1971 that is one storey in height shall have,

- (a) floor assemblies above basements constructed as fire separations of heavy timber construction, $\frac{3}{4}$ -hour fire separations or combinations thereof; and
- (b) load bearing walls, columns and arches supporting floor assemblies above basements constructed of heavy timber construction, construction having a $\frac{3}{4}$ -hour fire resistance rating or combinations thereof.

(2) A hotel or an addition to a hotel constructed after the 1st day of September, 1971 that is two storeys in height shall have,

- (a) floor assemblies constructed as fire separations of heavy timber construction, $\frac{3}{4}$ -hour fire separations or combinations thereof;
- (b) balconies and mezzanines constructed of heavy timber construction, noncombustible construction, construction having a $\frac{3}{4}$ -hour fire resistance rating or combinations thereof; and
- (c) load bearing walls, columns and arches constructed of heavy timber construction, construction having $\frac{3}{4}$ -hour fire resistance rating or combinations thereof.

(3) A hotel or an addition to a hotel that is constructed after the 1st day of September, 1971 that is three or more storeys in height shall be of noncombustible construction and shall have,

- (a) floor assemblies constructed as two hour fire separations;
- (b) a roof assembly, balconies and mezzanines of construction having a one hour fire resistance rating; and
- (c) load bearing walls, columns and arches having a fire resistance rating at least equivalent to the fire resistance rating of the construction which they support.

(4) Notwithstanding subsections (1), (2) and (3),

(a) a floor assembly is not required to be constructed as a fire separation between the first storey and the next storey above, between the first storey and the first basement below or between two contiguous basements or storeys up to the fifth storey if,

- (i) the hotel is of noncombustible construction,
- (ii) the unseparated floors do not have sleeping accommodation, and
- (iii) the required fire resistance rating of the floor assembly is maintained;

(b) storage garages and open air parking garages are not required to have a separation between floors; and

(c) where alternative measures can be demonstrated that, in the opinion of the Fire Marshal, provide an equivalent level of safety, he may approve the measures and may modify or waive the fire resistance rating or fire separation of construction assemblies required by subsections (1), (2) and (3). O. Reg. 223/84, s. 3.

FIRE WALLS

4.—(1) Unless otherwise approved, where the basic area of a hotel or of an addition or additions constructed after the 1st day of September, 1971 is more than 600m² and the hotel or the addition or additions are not of noncombustible construction, the hotel or addition or additions shall be divided by fire walls or by fire walls and exterior walls into vertical compartments having a basic area of not more than 600m².

(2) Where an addition or additions having a basic area of more than 600m² are made to a hotel after the 1st day of September, 1971 and the addition or additions or the original hotel are not of noncombustible construction, a fire wall shall be erected between the part of the hotel existing on the 1st day of September, 1971 and the addition or additions, unless otherwise approved.

(3) Where a hotel or an addition to a hotel constructed or a building converted for hotel use after the 1st day of September, 1971 is directly connected to an adjacent building which is not a hotel, the hotel shall be separated from the adjacent building by a fire wall or another approved means or the adjacent building shall meet the requirements of this Regulation as if it were a hotel.

(4) Subsidiary occupancies such as assembly rooms, licensed or unlicensed lounges, dining rooms, cafeterias, hairdressing and barber shops and banks that are operated in connection with a hotel shall be separated from the hotel by at least a one hour fire separation unless they are protected by a fully automatic sprinkler system. O. Reg. 223/84, s. 4.

STAIRWAYS

5.—(1) Interior stairways connecting basements, storeys or the first storey and the first basement below shall be separated from the hotel by a $\frac{3}{4}$ -hour fire separation, unless otherwise approved.

(2) Notwithstanding subsection (1), a stairway in a hotel connecting only the first storey and the next storey above, the first storey and the first basement below, two contiguous basements or two contiguous storeys up to the fifth storey need not be separated, provided,

- (a) the hotel is of noncombustible construction; and
- (b) the unseparated floors do not have sleeping accommodation.

(3) Unless otherwise approved, exterior stairways or fire escapes serving any storey above the second storey or any basement below the first basement in a hotel shall be separated from the hotel,

- (a) by a $\frac{3}{4}$ -hour fire separation; or
- (b) by having all,
 - (i) windows, except first storey display windows, protected by wired glass in fixed steel or steel-clad sash,
 - (ii) doorways protected by fire doors, and
 - (iii) other openings protected by closures,

where the windows, doorways or other openings are located horizontally within 3m of the stairway, within 3 storeys or 10m below it or within 1.8m above it.

(4) Exterior stairways or fire escapes of a hotel shall be,

- (a) constructed in a strong substantial manner of metal or concrete; and
- (b) securely fixed to the hotel,

but an exterior stairway extending only up to the second storey of a hotel that is not or is not required to be of noncombustible construction may be constructed of wood if,

- (c) all posts or brackets are at least 89mm in their least nominal dimension; and
- (d) all other woodwork is at least 38mm in its least nominal dimension.

(5) Exterior stairways leading across roofs shall be provided with handrails on both sides of the walkway leading to the stairway at the edge of the roof, unless otherwise approved.

(6) Exterior stairways or fire escapes below grade shall be,

- (a) enclosed by side walls and a roof, with a door to ground at the upper landing;
- (b) provided with a roof projecting horizontally for a distance of at least 1.8m beyond any step or landing; or
- (c) provided with some other approved construction or device to prevent snow accumulating in the stairway. O. Reg. 223/84, s. 5.

6. Where a stairway in a hotel or an addition to a hotel constructed after the 1st day of September, 1971 is required as an exit to ground from a basement or storey and is required to be separated, the separation shall be constructed with an exterior exit so that a person on the stairway will be able to reach the outside without having to leave the separation and re-enter the hotel. O. Reg. 223/84, s. 6.

SLEEPING ACCOMMODATION

7.—(1) Hotel suites and sleeping rooms occupied individually in a hotel or an addition to a hotel constructed after the 1st day of September, 1971 shall be separated from adjacent rooms, suites and corridors or other interior exits by a $\frac{3}{4}$ -hour fire separation.

(2) Notwithstanding subsection (1), the $\frac{3}{4}$ -hour fire separation requirement does not apply to doorway openings. O. Reg. 223/84, s. 7.

8.—(1) The door of a sleeping room occupied individually and the door of a suite opening into a sleeping room occupied individually, another suite or a corridor or other interior exit, in a hotel or an addition to a hotel constructed after the 1st day of September, 1971, shall be of solid wood core construction with a thickness of 44.5mm, unless otherwise approved.

(2) The door of a sleeping room occupied individually and the door of a suite opening into a corridor or other interior exit shall not be,

- (a) undercut more than 19mm; or
- (b) equipped with grills or other openings.

(3) No transom, grill or other ventilation opening that is not connected to a duct in an air handling system shall be installed between the floor and the ceiling in a wall separating a corridor or other interior exit from a sleeping room occupied individually or from a suite.

(4) Subsection (3) does not apply to a transom, grill or other ventilation opening installed between the floor and the ceiling in a wall separating a corridor or other interior exit from a sleeping room occupied individually or from a suite where the transom, grill or other ventilation opening,

- (a) was installed before the 1st day of September, 1971; and
- (b) is provided with a fire separation at least equal to the fire separation of the door of the sleeping room or suite opening onto the corridor or other interior exit. O. Reg. 223/84, s. 8.

HAZARDOUS AREAS

9.—(1) Boilers, furnaces, incinerators and fuel-fired space heating appliances shall be separated from the hotel by a one hour fire separation unless otherwise approved.

(2) Notwithstanding subsection (1),

- (a) an oil or gas fired heating appliance may be installed on the roof of a hotel of noncombustible construction;
- (b) a sealed combustion chamber, oil or gas fired heating appliance may be installed in any room that is separated from the hotel by a $\frac{3}{4}$ -hour fire separation or by walls and ceilings of plaster, plasterboard or other approved noncombustible material, provided the room has direct access to the outdoors; and
- (c) a fireplace or lamp need not be separated.

(3) Laundry rooms, storage areas exceeding .6m² in floor area and maintenance shops shall be separated from the hotel by at least a $\frac{3}{4}$ -hour fire separation, unless otherwise approved.

(4) Solid core wood doors at least 44.5mm thick are acceptable as fire doors for closures on openings requiring protection under subsection (3). O. Reg. 223/84, s. 9.

10.—(1) A kitchen or a room containing a fuel-fired cooking appliance in a fixed location shall be separated from the hotel by a $\frac{3}{4}$ -hour fire separation, unless otherwise approved.

(2) Notwithstanding subsection (1), a kitchen,

- (a) within a suite; or
- (b) provided with cooking equipment having an approved exhaust system and fixed extinguishing system,

need not be separated.

(3) Where a kitchen is connected to an adjacent dining area by means of a pass-through opening,

- (a) the kitchen and the dining area shall be separated from the hotel as an integral area; or

- (b) the kitchen shall be separated from the dining area and the pass-through opening shall be protected by a shutter, closeable on the operation of a fusible link or some other approved device. O. Reg. 223/84, s. 10.

11.—(1) Linen and rubbish chutes shall be enclosed in shafts or separated from the hotel in another approved manner to provide at least one hour fire separation.

(2) In hotels and additions to hotels constructed after the 1st day of September, 1971,

- (a) linen chute and rubbish chute service openings in chutes enclosed in shafts shall be protected by approved chute doors listed by Underwriters' Laboratories of Canada or by another approved testing laboratory;
- (b) linen chute and rubbish chute doors in chutes enclosed in shafts shall open into rooms which are separated from the hotel by a $\frac{3}{4}$ -hour fire separation; and
- (c) linen chutes and rubbish chutes enclosed in shafts shall be equipped at the top with an opening or other approved device for automatic venting to the outside.

(3) Linen chutes and rubbish chutes enclosed in shafts shall terminate or discharge directly into rooms which are separated from the hotel by a one hour fire separation.

(4) An automatic sprinkler system shall be installed in a linen or rubbish chute extending three or more storeys, so that there is sprinkler head protection at the top of the chute and in the linen or rubbish room at the bottom of the chute. O. Reg. 223/84, s. 11.

PART III

EXITS

GENERAL

12. Exits shall be provided from rooms, podiums, terraces, platforms, contained open spaces or other areas intended for occupancy in or in connection with a hotel to a public thoroughfare or to an approved open space which has access to a public thoroughfare. O. Reg. 223/84, s. 12.

OCCUPANT LOAD

13.—(1) The occupant load of a floor area for an occupancy referred to in Column 1 of the Table shall not exceed one person per unit of floor area shown in Column 2 of the Table opposite that occupancy, unless otherwise approved.

(2) The occupant load of a floor area may vary if it is used for different occupancies at different times, but the exits from the floor area shall provide the number

of units of exit width prescribed by section 18 for the greatest occupant load.

(3) Notwithstanding subsection (1), where exits from a floor area in a hotel existing on the 1st day of September, 1971 provide less than one-half unit of exit width for every thirty persons of the occupant load determined under the Table, the occupant load of the floor area shall not exceed thirty persons for every one-half unit of exit width actually provided.

TABLE

COLUMN 1	COLUMN 2
Occupancy	Area/Person (square metres)
Assembly rooms	
(1) with fixed seats such as theatre auditoria	.6
(2) where rows of movable seats may be used	.8
(3) where chairs with tables may be used	1.2
Ball rooms, banquet rooms and floor areas where dancing is permitted	1.5
Dining lounges and dining room premises licensed under the <i>Liquor Licence Act</i>	1.2
Lounge, club or public house premises licensed under the <i>Liquor Licence Act</i>	1.2
Cafeteria	1.2
Pool areas, including water surface	3
Restaurants, coffee shops	1.2
Retail sales floors, shops	
(1) ground floor and basements	3
(2) all other floors	6

O. Reg. 223/84, s. 13.

NUMBER OF EXITS

14.—(1) Every floor area in a hotel shall be provided with at least two independent well-separated exits unless,

(a) the floor area is intended for use as a place of assembly, its occupant load does not exceed sixty persons and the distance of travel to an exit from any point in the floor area does not exceed 15m;

(b) the floor area is intended for storage and does not exceed 200m² and the distance of travel to an exit from any point in the floor area does not exceed 23m; or

(c) the floor area is intended for a use other than those described in clauses (a) and (b) and does not exceed 100m² or have an occupant load greater than sixty persons.

(2) Every place of assembly in a hotel shall be provided with at least,

(a) three independent well-separated exits, where its occupant load is 600 persons or more; and

(b) four independent well-separated exits, where its occupant load is 1,000 persons or more.

(3) Where a room or floor area is divided into individual places of assembly for licensing or other purposes,

(a) by a partition or partitions not more than 1.35m in height; or

(b) by a partition or partitions more than 1.35m in height, but having sufficient open area suitable for egress,

and each place of assembly has at least one independent exit, egress through an adjacent place or places of assembly to an exit is permitted. O. Reg. 223/84, s. 14.

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LOCATION OF EXITS

15.—(1) Exits from a room or floor area, basement or storey shall be well-separated by distance.

(2) Notwithstanding subsection (1), in hotels of non-combustible construction, two stairways that are not well-separated by distance or two contiguous stairways are permitted as separate exits from a basement or storey if,

(a) any common fire separation between two such stairways,

(i) is a two hour fire separation,

(ii) is constructed to prevent any possibility of smoke or fire passing from one stairway to another, and

(iii) has no doorways, duct pipe, conduit or other openings; and

(b) where the hotel is constructed after the 1st day of September, 1971,

(i) the stairways are separated from the hotel by a two hour fire separation,

(ii) each basement and storey served by both stairways is divided by a $\frac{1}{4}$ -hour fire separation so that an exit is located on each side of the separation, and

(iii) no point in the basement or storey is more than 30m in travel distance from an exit. O. Reg. 223/84, s. 15.

16. In a hotel or an addition to a hotel constructed after the 1st day of September, 1971 the travel distance from at least one exit of a room or other floor area along a corridor to a basement or storey exit shall not exceed 30m unless otherwise approved. O. Reg. 223/84, s. 16.

17.—(1) In a hotel or an addition to a hotel constructed after the 1st day of September, 1971, dead-end corridors shall not be longer than 6m plus the width of the corridor, unless otherwise approved.

(2) Notwithstanding subsection (1), no floor area may be served by a dead-end corridor where,

(a) the floor area is intended for use as a place of assembly and its occupant load is greater than sixty persons;

(b) the floor area is intended for storage and exceeds 200m²; or

(c) the floor area,

(i) is intended for a use other than those described in clauses (a) and (b), and

(ii) exceeds 100m² or has an occupant load greater than sixty persons,

unless otherwise approved. O. Reg. 223/84, s. 17.

WIDTH OF EXITS

18.—(1) Exits from a place of assembly or other floor area in a hotel shall provide one-half unit of exit width for every thirty persons of occupant load, unless otherwise approved.

(2) For the purpose of subsection (1), the occupant load of a suite or room occupied individually is two persons. O. Reg. 223/84, s. 18.

19. Where two or more exits are required from a place of assembly or other floor area in a hotel a sufficient number of units of exit width shall be provided so that the required number of units is not reduced by more than half if any one exit becomes inaccessible in an emergency. O. Reg. 223/84, s. 19.

20. The minimum number of units of exit width required from a place of assembly or other floor area in a hotel shall be provided in the exits leading from the place of assembly or other floor area to the exterior. O. Reg. 223/84, s. 20.

21. Exits in a hotel shall have a minimum clear width of not less than,

(a) 914mm in areas with an occupant load of more than fifty persons;

(b) 914mm in stairways, including interior and exterior doorways, steps and landings;

(c) 1.1m in corridors; and

(d) 750mm in all other cases,

unless otherwise approved. O. Reg. 223/84, s. 21.

HEIGHT OF EXITS

22. Exits in a hotel or an addition to a hotel constructed after the 1st day of September, 1971 shall have a head room clearance of at least,

(a) 2130mm in a corridor;

(b) 2030mm in a doorway; and

(c) 2060mm, measured vertically above any landing or the nosing of any stair tread, in stairways. O. Reg. 223/84, s. 22.

OBSTRUCTIONS TO EXIT

23.—(1) Subject to subsections (2) and (3), nothing shall project into or be fixed within the required width of an exit in a hotel or an addition to a hotel constructed after the 1st day of September, 1971.

(2) Handrails may project up to 90mm into the required width on each side.

(3) Swinging doors in their swing may reduce the required width of stairways or landings to a width not less than 750mm. O. Reg. 223/84, s. 23.

24.—(1) Exits in a hotel or an addition to a hotel constructed after the 1st day of September, 1971 shall be constructed so that,

(a) no door opens immediately onto a flight of stairs but opens onto a landing at least as long and as wide as the width of the door; and

(b) every exterior exit door opens directly onto a landing.

(2) Notwithstanding clause (1) (b), where there is danger of obstruction by ice and snow, the landing may be installed up to 150mm below the elevation of the bottom of an exterior exit door. O. Reg. 223/84, s. 24.

25. Exit doors to exit stairway enclosures, exterior exit doors from stairway enclosures, exit doors from places of assembly, exit doors from corridors used by the public and exit doors from rooms having an occupant load of sixty or more persons shall open in the direction of egress. O. Reg. 223/84, s. 25.

STAIRWAYS

26. In stairways in or connecting to a hotel or an addition to a hotel constructed after the 1st day of September, 1971,

(a) landings shall be at least as long and as wide as the width of the stairs in which they occur except that in a straight run, the length of a landing is not required to exceed 1.1m;

(b) stairs shall have a wall or a well-secured balustrade or guard on each side;

(c) stairs shall have a handrail on one side, and when 1.1m or more in width shall have a handrail on both sides;

(d) every stair balustrade or guard shall be at least 800mm in height, measured vertically above the nosing of the tread, and at least 1m in height measured vertically above the surface of a landing or platform;

(e) risers of steps shall be at least 125mm and not more than 200mm high, treads of steps shall be at least 230mm wide, exclusive of nosing, and all treads less than 250mm in width shall have a nosing of approximately 25mm over the tread or landing immediately below, unless otherwise approved;

(f) steps shall have a uniform rise and run in any one flight, and shall not alter appreciably in rise and run in successive flights; and

(g) treads of winders or winding steps used in a stairway shall be at least 230mm wide, measured 230mm away from the handrail at the narrow end of the tread, unless otherwise approved. O. Reg. 223/84, s. 26.

27.—(1) Exterior stairways or fire escapes shall not extend more than one storey above the first storey in a hotel or an addition to a hotel constructed after the 1st day of September, 1971 unless otherwise approved.

(2) In exterior stairways or fire escapes in a hotel existing on the 1st day of September, 1971,

(a) the stair shall not be inclined at an angle of more than 45 degrees from the horizontal;

(b) risers of steps shall not exceed 220mm in height and treads of steps shall be at least 220mm in width, exclusive of nosing;

(c) head room clearance shall be at least 1.9m, plus the height of one riser, measured vertically above the nosing of any tread or above a platform or landing;

(d) any balconies onto which doors open shall have a clear area of at least 1.2m²;

(e) the open side of every platform, landing balcony and stairway shall be protected by substantial balustrades or guards at least 800mm measured vertically above the nosing of any tread and at least 914mm in height measured vertically above a landing or platform;

(f) the staircase shall be at least 550mm wide; and

(g) where the stairway or fire escape is more than 550mm in width, there shall be a handrail on the wall side.

(3) The bottom flight of an exterior stairway may be counter-balanced, provided,

(a) it is held in the "up" position without a latch or locking device;

(b) it is fitted with a counter-balancing device that keeps the bottom flight in the "up" position by a weight permanently fastened to an extension of the stair stringers that will allow it to be brought into position for use easily and quickly;

(c) it has a bronze bushing for every pivot and one or more bronze plates separating all movable contacting steel surfaces of the stair; and

- (d) it reaches the ground in the "down" position. O. Reg. 223/84, s. 27.

EXIT SIGNS

28.—(1) Exit signs shall be installed in a hotel to indicate,

- (a) exits from places of assembly with occupant load greater than sixty persons;
- (b) exit stairways and fire escapes; and
- (c) exits from exit stairway enclosures and corridors to the exterior.

(2) All exit signs in a hotel shall show the word "EXIT" in plain legible block letters that are,

- (a) internally illuminated at all times where power is provided by Ontario Hydro, a public utility, a municipal corporation or the hydro-electric commission of a municipality;
- (b) coloured red on an opaque or contrasting field; and
- (c) at least 114mm high with a 19mm stroke.

(3) Doors on exit stairways shall be marked on both sides indicating the floor level in plain legible block letters or numbers at least 114mm high with a 19mm stroke. O. Reg. 223/84, s. 28.

LIGHTING OF EXITS

29.—(1) Every exit and corridor providing access to an exit shall be equipped to provide illumination to an average level of at least 50 lx at floor level and at all points such as angles and intersections at changes of level where there are stairs and ramps.

(2) Places of assembly with an occupant load over 60 persons, corridors and exits in hotels required to have a fire alarm system shall be provided with emergency lighting to average levels of at least 10 lx at floor or tread level.

(3) An emergency power supply shall be provided to maintain the emergency lighting required in subsection (2) from a power source such as batteries or a generator that will continue to supply power if the regular power supply to the building is interrupted, and shall be so designed and installed that upon failure of the regular power supply it will assume the electrical load automatically for a period of,

- (a) two hours for all high-rise hotels; and
- (b) ½-hour for all other hotel buildings required to have emergency lighting, unless otherwise approved. O. Reg. 223/84, s. 29.

EXIT DOOR HARDWARE

30.—(1) Every exit door of a suite and of a sleeping room occupied individually shall open readily for exit purposes without the use of a key.

(2) Every door that serves as an exit from any floor area or part of a floor area with an occupant load of more than sixty persons shall be equipped with panic type hardware.

(3) For the purpose of subsection (2), the occupant load of a suite or room occupied individually is two persons.

(4) Every exit door shall be designed and installed so that when the latch is released, the door will open readily for exit purposes without the use of a key.

(5) In a high-rise hotel there shall be a door, unlocked at all times, leading from every exit stairway into the floor area of every floor above grade. O. Reg. 223/84, s. 30.

HOLD-OPEN DEVICES

31.—(1) A fire door in a kitchen separation and a fire door or a smoke door in a corridor may be held open by a hold-open device.

(2) A fire door to a lobby or other entrance area that is within the stairway separation may be held open with a hold-open device provided the stairway is separated from the entrance area by at least a ¾-hour fire separation. O. Reg. 223/84, s. 31.

PART IV

INTERIOR FINISH MATERIALS

32.—(1) Interior finish materials on the walls and ceilings of exits shall be non-combustible, unless otherwise approved.

(2) Notwithstanding subsection (1),

- (a) materials that have a fire hazard classification not exceeding flame spread-25, or such other fire hazard classification as may be approved, may be used on the walls of corridors;
- (b) materials having a thickness not in excess of 1.5mm and installed on the walls of corridors before the 1st day of September, 1971 are permitted;
- (c) wood or other approved materials, treated with an approved fire retardant, may be used on the walls of lobbies, foyers, vestibules, entrance halls and other major entrance areas to a hotel;
- (d) combustible materials that have a fire hazard classification not exceeding flame spread-150

may be used on the walls and ceilings of exits, except enclosed exit stairways, if the exits are protected by an approved sprinkler system. O. Reg. 223/84, s. 32.

33. The fire hazard classification of interior finish materials on the walls and ceilings of places of assembly shall not exceed flame spread-150. O. Reg. 223/84, s. 33.

PART V

HEATING, AIR HANDLING, AND COOKING EXHAUST SYSTEMS

CONSTRUCTION

34.—(1) Pipes, ducts, plenums, and other equipment in heating, air handling, and cooking exhaust systems in a hotel shall be constructed of steel, approved noncombustible material or other approved material.

(2) Insulating materials and adhesives for pipes, ducts, plenums and other components of heating, air handling, and cooking exhaust systems in hotels shall be noncombustible or shall have fire hazard classification ratings not exceeding flame spread-25, fuel contributed-35, and smoke developed-50, or shall be of some other approved composition.

(3) Where an attic, a crawl space, a space above a dropped corridor ceiling or any other concealed space is used as a plenum, the concealed space shall be lined with noncombustible material, material having fire hazard classifications not exceeding flame spread-25, fuel contributed-35, and smoke developed-50, or other approved material. O. Reg. 223/84, s. 34.

EXITS

35.—(1) No separation for an exit stairway shall be breached by a duct or other part of an air handling system.

(2) Notwithstanding subsection (1), a lobby or other entrance area that is within a stairway separation may be breached, provided the stairway is separated from the entrance area by a $\frac{3}{4}$ -hour fire separation. O. Reg. 223/84, s. 35.

36. No stairway enclosure or corridor shall be used as a plenum to exhaust air from other areas. O. Reg. 223/84, s. 36.

FIRE DAMPERS

37.—(1) Where a duct or plenum in an air handling system has a cross-section area of 194cm² or more and passes through,

- (a) a $\frac{3}{4}$ -hour or greater fire separation, in a hotel constructed after the 1st day of September, 1971;

- (b) the separation of a boiler, furnace, incinerator or fuel-fired space heating appliance;

- (c) the separation of a kitchen; or

- (d) a fire wall,

a fusible-link fire damper shall be installed in the air handling system.

(2) Notwithstanding subsection (1), a fusible-link fire damper is not required in the separation of a suite or of a sleeping room occupied individually from the remainder of the storey in which it is located. O. Reg. 223/84, s. 37.

FAN SHUT OFF

38. Fans in a recirculating air handling system in a hotel requiring a fire alarm system shall be designed so that they shut down automatically when the fire alarm system is actuated, unless otherwise approved. O. Reg. 223/84, s. 38.

COOKING EXHAUST SYSTEM

39. Cooking appliances from which grease laden vapours emanate in hotel kitchens, other than kitchens in suites, shall have a cooking exhaust system which shall, unless otherwise approved, be provided with,

- (a) a hood or other primary collection device to collect and confine all cooking vapours and residues emanating from the cooking appliances;
- (b) a grease filter or other means of grease extraction;
- (c) a duct from the hood or other primary collection device which shall, unless otherwise approved,
 - (i) lead as directly as possible to the outside,
 - (ii) be independent and not connected to any other ventilation system, and
 - (iii) have adequate openings for inspection and cleaning purposes, equipped with tight fitting doors;
- (d) a residue trap with provisions for cleanout at the base of each vertical riser; and

- (e) mechanically induced conveying air of sufficient velocity to confine cooking vapours and residues to the hood or other primary collection means installed at the cooking appliance. O. Reg. 223/84, s. 39.

PART VI

STANDPIPES, SPRINKLERS AND
PORTABLE FIRE EXTINGUISHERS

40.—(1) In a high-rise hotel, all subsidiary occupancies located below floors that have sleeping accommodation shall be protected by,

- (a) an approved automatic sprinkler system; or
- (b) an approved smoke control system designed to limit smoke spread from the subsidiary occupancy floor areas to the floor areas that have sleeping accommodation,

unless otherwise approved.

(2) Every high-rise hotel shall be made to comply with subsection (1) on or before the 1st day of June, 1987. O. Reg. 223/84, s. 40.

41. A standpipe and hose system shall be installed in every hotel or addition to a hotel four or more storeys in height that is constructed after the 1st day of September, 1971. O. Reg. 223/84, s. 41.

HOSE STATIONS

42.—(1) A standpipe and hose system in a hotel shall be provided with hose stations for the connection of 37mm or other approved hose, and hose stations shall,

- (a) be located so that all areas in the hotel,
 - (i) are protected by a hose station on the same storey or in the same basement, as the case may be, and
 - (ii) can be reached by a hose stream and are within 6m of a hose nozzle when the hose is extended;

(b) be provided with a 37mm or other appropriate hose valve;

(c) be equipped with not more than 23m of 37mm or other appropriate hose on a hose rack, unless otherwise approved;

(d) have the hose attached, ready for use at all times and equipped with a shut-off combination fog and straight stream nozzle;

(e) be within easy reach of a person standing on the floor, with the hose valve connection located no more than 1.5m from the floor; and

(f) shall be located,

- (i) in corridors where possible, and

(ii) in hose cabinets.

(2) Notwithstanding subclause (1) (a) (i), a pent-house may be protected by a hose station located in the storey below.

(3) A standpipe and hose system in a hotel shall,

(a) have an adequate water supply capable of producing a stream of at least 6m from hose nozzles at the highest fire hose outlet; and

(b) be served by at least one siamese fire department connection located on the outside of the building adjacent to a street, readily accessible to the fire department for the attachment of hose, unless otherwise approved. O. Reg. 223/84, s. 42.

HOSE CABINETS

43. Hose cabinets required under section 42 shall be,

(a) of sufficient size to accommodate hose, hose rack, hose valve, and a fire extinguisher;

(b) conspicuously identified, by lettering at least 50mm high or by the provision of a sufficiently large glass panel in the door to ensure that the equipment in the cabinet is readily visible;

(c) equipped with a door without locks, constructed to open easily, unless otherwise approved; and

(d) so located that the door, when open, will not obstruct any doorway. O. Reg. 223/84, s. 43.

PORTABLE FIRE EXTINGUISHERS

44. Portable fire extinguishers installed in a hotel shall be listed and rated by the Underwriters' Laboratories of Canada, unless otherwise approved. O. Reg. 223/84, s. 44.

45.—(1) Portable fire extinguishers shall be installed in the areas specified in Column 1 of the Table and shall have at least the fire extinguisher rating shown opposite the relevant area in Column 2.

(2) A portable fire extinguisher with a rating of 8-B,C that is installed in a hotel before the 1st day of September, 1971 is acceptable where an extinguisher with a rating of 10-B,C would otherwise be required.

(3) Portable fire extinguishers installed to protect commercial cooking equipment with automatic fixed extinguishing systems shall be of the alkaline dry chemical type with a sodium bicarbonate or potassium bicarbonate base.

TABLE

COLUMN 1	COLUMN 2
Areas	Fire Extinguisher Rating
1. Basement and storeys, one for each 500m ² or part thereof	2A
2. Boiler or furnace rooms containing— gas or oil fired appliances solid fuel-fired appliances	10-B,C 2A
3. Carpentry shops	2A
4. Electrical rooms	10-B,C
5. Fire hose cabinet areas	2A
6. Fireplace areas	2A
7. Flammable liquid storage areas	10-B,C
8. Garages, one for each 500m ² or part thereof	10-B,C
9. Laundries	2A and 10-B,C
10. Incinerator areas	2A
11. (a) Kitchen (main hotel kitchens serving dining areas) (b) Kitchens in suites and other small kitchens	10-B,C 5-B,C
12. Machine rooms	10-B,C
13. Maintenance shops	10-B,C
14. Mechanical rooms	10-B,C
15. Paint storage areas	10-B,C
16. Rubbish rooms at bottom of rubbish chutes	2A
17. Stage areas in auditoria and theatres	2A

O. Reg. 223/84, s. 45.

PART VII

FIRE ALARM SYSTEMS

DESIGN AND INSTALLATION

46.—(1) A fire alarm system in a hotel shall be electrically supervised, with all its components listed by Underwriters' Laboratories of Canada or the Canadian Standards Association Testing Laboratories and installed in a manner that is compatible with each other according to their listing or as approved.

(2) Where a hotel fire alarm system is installed, extended or modified after the 1st day of June, 1984, the installation, extension or modification shall be,

- (a) completed to the U.L.C. S524-M1980 Standard for Installation of Fire Alarm Systems; and
- (b) verified to the U.L.C. S537-1980 Standard for Verification of Fire Alarm System Installations. O. Reg. 223/84, s. 46.

47.—(1) Subject to subsections (2) and (3), a hotel shall not have more than one fire alarm system, unless otherwise approved.

(2) A hotel three storeys or less in height may have fire alarms consisting of smoke alarms of the single station type, installed in suites and rooms occupied individually, provided each suite and room occupied individually,

- (a) has direct access or access by a balcony to the outdoors at grade level;
- (b) is separated from adjacent rooms by a fire separation of $\frac{3}{4}$ -hour fire resistance rating, with any opening in the fire separation protected by a solid core wood door at least 44.5mm thick.

(3) A hotel three storeys or less in height that provides sleeping accommodation for not more than ten persons may have fire alarms consisting of,

- (a) smoke alarms installed in corridors immediately outside each sleeping area and in corridors on each floor; and
- (b) one manual fire alarm station on each floor, in an area acceptable to the inspector,

electrically interconnected so that the activation of any manual fire alarm station or smoke alarm will cause all smoke alarms to operate. O. Reg. 223/84, s. 47.

SOURCES OF POWER

48.—(1) Every hotel fire alarm system shall be provided with two sources of power, each of which shall be capable of supplying the system for a period of twenty-four hours under maximum normal operation conditions and of sounding the fire alarm signal throughout the hotel for five consecutive minutes at the end of that twenty-four hour period.

(2) Notwithstanding subsection (1), a smoke alarm shall be provided with one source of power connected to the primary source of power on a separate circuit equipped with separate circuit breakers or fuse switches, unless otherwise approved.

(3) Where a hotel is supplied with power by Ontario Hydro, a municipal corporation, a public utility or the hydro-electric commission of a municipality, that power shall be the primary source of power and the secondary source shall be rechargeable batteries equipped with a charger or a generator which automatically starts in the event of failure of the primary source.

(4) Where a hotel is not supplied with outside power as described in subsection (3), a generator and rechargeable batteries equipped with a charger may be used as the two sources of power.

(5) The fire alarm system connection to the primary source of power shall be on a separate circuit equipped with separate circuit breakers or fuse switches. O. Reg. 223/84, s. 48.

ANNUNCIATOR

49. In every hotel that is four or more storeys in height or has a total floor area of 4,000m² or more, a zoned visual annunciator panel, indicating not more than one storey or basement per zone, unless otherwise

approved, shall be installed in the main reception area or another approved location. O. Reg. 223/84, s. 49.

STATIONS

50.—(1) In every hotel, unless otherwise approved, a manual fire alarm station for initiating a fire alarm signal shall be installed in the main reception area or in another approved location, and in all basements and storeys,

- (a) at every exit stairway; and
- (b) at every exterior exit,
 - (i) from a corridor or lobby, and
 - (ii) from a place of assembly.

(2) Notwithstanding subsection (1), one manual fire alarm station may serve two exits provided,

- (a) the exits are not more than 9m apart;
- (b) the exits are on the same basement or storey; and
- (c) the station is readily accessible and visible from each exit.

(3) A manual fire alarm station shall be red in colour and shall be,

- (a) readily accessible and unobstructed by any swinging door or other means;
- (b) readily visible; and
- (c) installed at a height not less than 1.2m and not more than 1.5m measured vertically from the finished floor surface. O. Reg. 223/84, s. 50.

DETECTION

51.—(1) Every part of a hotel shall be served by,

- (a) a heat actuated fire detection system;
- (b) an automatic sprinkler system;
- (c) a products of combustion detection system;
- (d) a smoke detection system; or
- (e) a combination of the systems listed in clauses (a) to (d),

installed so that all areas are provided with heat actuated detectors, products of combustion detectors, smoke detectors or sprinkler head coverage.

(2) Subsection (1) does not apply to corridors, wash-rooms, closets in suites and rooms occupied individually, sauna rooms, swimming pools and refrigerated areas.

(3) Every suite and room occupied individually in a hotel constructed on or before the 1st day of September, 1971,

(a) shall be made to comply with subsection (1); or

(b) shall,

(i) have a products of combustion detection system or smoke detection system installed in every corridor serving the suite or room, and

(ii) be separated from adjacent rooms, suites and corridors by a ¾-hour fire separation, with openings protected by a solid wood core door at least 44.5mm thick,

on or before the 1st day of June, 1985.

(4) The systems referred to in subsection (1) shall be electrically interconnected to the fire alarm system so that operation of any detector or sprinkler will cause the fire alarm system to operate. O. Reg. 223/84, s. 51.

ALARM SIGNALLING DEVICES

52. Alarm signalling devices in a hotel fire alarm system shall be,

(a) installed in all basements and storeys, unless otherwise approved;

(b) located so that the fire alarm signal, when sounded, may be heard throughout the hotel over all normal sounds at any time; and

(c) distinctive in sound. O. Reg. 223/84, s. 52.

53.—(1) Pre-signal alarm systems designed to warn only supervisory staff upon actuation of a manual fire alarm station, a heat actuated detector, a sprinkler head, a products of combustion detector or a smoke detector shall not be used in a hotel.

(2) Notwithstanding subsection (1), in a hotel that has four or more storeys or a total floor area of 4,000m² or more,

(a) a zoned two-stage or multi-stage alarm system may be used if its installation is approved, provided that when the alarm system operates a general evacuation signal sounds in the initiated fire zone and a general alert signal sounds throughout the remainder of the hotel; and

(b) a central station system may be used if its installation is approved, provided that when the system operates a general evacuation signal sounds in the initiated fire zone and an alarm signal is transmitted automatically to

the fire department or to an approved central station agency that is open continuously and has personnel in attendance trained to notify the fire department immediately and provide any other proper response,

provided the general evacuation signal can be initiated throughout the entire hotel,

(c) from a station in the main reception area or some other approved area; and

(d) by means of a key inserted in any station or by some other approved means. O. Reg. 223/84, s. 53.

TROUBLE INDICATION

54. A trouble signal sounding device and, where the trouble signal sounding device has a silencing switch, a trouble light, shall be installed in the main reception area or in another approved location acceptable to the inspector. O. Reg. 223/84, s. 54.

PART VIII

FIRE PROTECTION DUTIES

DISCOVERY OF FIRE

55. When a fire is discovered in a hotel, the manager or the person in charge shall immediately,

(a) ensure that the fire alarm signal is sounded; and

(b) where the hotel is in a municipality that has a fire department, ensure that the fire department is called. O. Reg. 223/84, s. 55.

56. No person shall silence a fire alarm signal in a hotel unless it has been determined that there is no fire or that the fire has been extinguished. O. Reg. 223/84, s. 56.

PERSON IN CHARGE

57. In a hotel, a manager, watchman or other person in charge shall be,

(a) available on the premises at all times; and

(b) on duty on the premises at all times, if the hotel is four or more storeys in height or has a total floor area of 4,000m² or more. O. Reg. 223/84, s. 57.

EVACUATION

58. An approved fire safety plan indicating,

(a) the method of sounding an alarm;

(b) the procedure of the evacuation plan;

- (c) the use of fire fighting equipment;
- (d) the control of fire hazards;
- (e) the use of voice communication systems where provided;
- (f) the procedures for control of elevators;
- (g) the procedure for initiating smoke control or fire emergencies systems where provided;
- (h) a procedure to ensure fire department access to the building; and
- (i) the location of building facilities provided for the safety of occupants from fire,

shall be posted in the main reception area and in all other locations required by the inspector. O. Reg. 223/84, s. 58.

59.—(1) A notice indicating,

- (a) the action to be taken by guests discovering a fire or hearing a fire alarm signal;
- (b) the fire safety rules of the hotel and, where the inspector so requires, the location of exits,

shall be displayed on the inside of the exit door of each suite and each room occupied individually.

(2) In a high-rise hotel, a record including schematic diagrams of the fire emergency systems shall be maintained at a central alarm and control facility, and the record shall include instructions to the supervisory staff and fire department for the operation of fire protection systems.

(3) A copy of a list of fire emergency procedures and other duties of supervisory staff shall be given to all supervisory staff members.

(4) At least one copy of such parts of the fire safety plan as the inspector requires shall be prominently posted and maintained on each floor area.

(5) Specific fire safety and fire emergency instructions for staff in work areas shall be posted in each work area. O. Reg. 223/84, s. 59.

TRAINING

60.—(1) The hotelkeeper shall ensure that hotel employees are familiar with,

- (a) the method of sounding a fire alarm;
- (b) evacuation procedures;
- (c) the use of fire fighting equipment, including portable fire extinguishers and standpipe and hose systems;

- (d) methods of controlling fire hazards in the hotel;
- (e) the location of building facilities provided for the safety of occupants;
- (f) in high-rise hotels, the use of the voice communication systems;
- (g) procedures for the use of elevators and the evacuation of non-ambulatory occupants;
- (h) the action to be taken in initiating any smoke control or fire emergency systems before the arrival of fire fighters; and
- (i) procedures established to facilitate fire department access to the building and to the location of any fire.

(2) The hotelkeeper shall ensure that a fire drill for all hotel employees is conducted at least once during every twelve month period.

(3) In high-rise hotels, the hotelkeeper shall ensure that a fire drill for supervisory staff and hotel staff assigned special duties in the event of fire is conducted at least once during every three month period. O. Reg. 223/84, s. 60.

FIRE ALARM AND VOICE COMMUNICATION SYSTEMS

61.—(1) The hotelkeeper shall ensure that the fire alarm system, smoke alarms and, where it is required, the voice communication system,

- (a) are operational at all times; and
- (b) are tested, inspected and maintained in accordance with U.L.C. S536-1979 Standard for the testing, inspection and maintenance of existing fire alarm systems.

(2) Every fire alarm system and voice communication system shall be tested in the presence of an inspector at least once a year.

(3) A record indicating the date and time of all tests under subsections (1) and (2) and the name of any inspector present shall be kept on the premises.

(4) The hotelkeeper shall ensure that where a fire alarm system or voice communication system or any part thereof is shut down, alternate measures acceptable to the inspector are established to maintain the safety of building occupants.

(5) Where a central alarm and control facility is provided in a hotel, the hotelkeeper shall ensure that,

- (a) a daily check of the central alarm and control facility is carried out to ensure no trouble is indicated in the system; and

- (b) the voice communication system between the floor areas and the central alarm and control facility, and loudspeakers operated from the central alarm and control facility, are tested monthly and yearly as required under clause (1) (b). O. Reg. 223/84, s. 61.

62.—(1) The hotelkeeper shall ensure that the standpipe and hose system is regularly inspected and maintained and is ready for operation at all times.

(2) The hotelkeeper shall ensure that,

- (a) the plugs or caps of the fire department connection are removed annually, the threads inspected for wear, rust or obstructions and the plugs or caps re-secured and wrenched tight;
- (b) whenever a standpipe and hose system or part of the system is shut down, the fire department is notified;
- (c) hose cabinets are inspected monthly to verify that the hose is in proper position and that all the equipment is in place and in operable condition;
- (d) standpipe and hose system equipment is used for fire protection only;
- (e) standpipe hose cabinets are conspicuously identified and unobstructed;
- (f) hose valves are inspected annually to ensure that they can be operated by hand and that there is no water leakage into the hose;
- (g) the fire department connection is marked in a manner acceptable to the inspector, indicating its intended service and size;
- (h) standpipe hose are removed and re-racked annually and after use and any worn gaskets in the couplings at the hose valve and at the nozzle are replaced;
- (i) each hose connection in a dry standpipe system is provided with a legible waterproof sign reading "DRY STANDPIPE FOR FIRE DEPARTMENT USE ONLY";
- (j) all valves controlling water supplies to the standpipe and hose system are locked or sealed in the "OPEN" position;
- (k) flow and pressure tests are conducted annually at the highest and most remote hose valve or hose connection to verify that the water supply for standpipes is provided as originally designed;
- (l) standpipe system piping which normally remains dry is hydrostatically tested at least once every five years at a pressure of at least

1,400 kPa for two hours, or where the normal hydrostatic pressure exceeds 1,050 kPa, at 350 kPa more than the normal hydrostatic pressure;

- (m) a record of inspections, testing and maintenance of the standpipe and hose system is kept on the premises; and
- (n) standpipe systems that have been modified or extended or are to be restored to service after a period of disuse exceeding one year are hydrostatically tested at a pressure of at least 1,400 kPa for two hours, or where the normal hydrostatic pressure exceeds 1,050 kPa, at 350 kPa more than the normal hydrostatic pressure. O. Reg. 223/84, s. 62.

SPRINKLER SYSTEMS

63.—(1) In the event of fire, the hotelkeeper shall ensure that the sprinkler control valves are not closed until the fire is extinguished or is considered to be under control by other means, as determined by the fire department.

(2) The hotelkeeper shall ensure that the sprinkler system is repaired and maintained and that repair and replacement, alterations of sprinkler system components and tests following alterations and repairs are in accordance with NFPA 13-1980 "Sprinkler Systems".

(3) The hotelkeeper shall ensure that,

- (a) no obstructions such as partitions, racks or piled stock are placed so as to interfere with the effectiveness of water discharge from sprinklers;
- (b) whenever the automatic sprinkler system or a part of the system is shut down, the fire department is notified and alternate acceptable measures satisfactory to the inspector are undertaken;
- (c) all valves controlling water supplies to sprinkler and alarm connections, except electrically supervised valves, are checked weekly to ensure that they are in the open position;
- (d) the sprinkler system piping is not used to support anything;
- (e) exposed sprinkler pipe hangers are checked yearly to ensure that they are in good repair;
- (f) air pressure on dry pipe systems is checked weekly to ensure that the system is maintained at the required operating pressure;
- (g) dry pipe valve rooms or enclosures in unheated buildings are checked as often as necessary during periods of freezing weather

to ensure that adequate temperature is maintained to prevent freezing;

- (h) sprinkler heads are checked at least once yearly to ensure that they are free from damage, corrosion, grease, dust, paint or whitewash, and replaced where necessary as a result of such conditions;
 - (i) auxiliary drains are inspected during cold weather to prevent freezing;
 - (j) at least once in every fifteen year period, the dry pipe systems are inspected for obstructions in the sprinkler piping and, if necessary, the entire system flushed of foreign material;
 - (k) the priming water supply for dry pipe systems is inspected annually to ensure that the proper level above the dry pipe valve is maintained;
 - (l) plugs and caps on fire department connections are removed annually, the threads inspected for wear, rust, or obstruction, and the plugs or caps re-secured and wrenched tight; and
 - (m) the fire department connection is marked in a manner acceptable to the inspector, indicating its intended service and size.
- (4) The hotelkeeper shall ensure that,
- (a) notice of an intended test of water flow or other test of the sprinkler system is given to all parties who could be affected by an alarm, including the fire department;
 - (b) alarms on all sprinkler systems are tested monthly, using the alarm test connection located at the sprinkler valve;
 - (c) water flow alarms are tested on wet sprinkler systems annually, using the most hydraulically remote test connection;
 - (d) dry pipe valves are tripped annually by means of the system test pipe to ensure that they operate satisfactorily and that the sprinkler alarms are in operating condition;
 - (e) sprinkler system water pressure is tested, annually and after any sprinkler system control valve has been operated, with the main drain valve fully open, to ensure that there are no obstructions or deteriorations of the main water supply; and
 - (f) where an electrical supervisory signal service is provided for a sprinkler system,
 - (i) all transmitter and water flow activated devices are tested at intervals of not more than two months, and

- (ii) gate valve supervisory switches, tank water level devices, building and tank water temperature supervisory devices and other sprinkler system supervisory devices are tested at intervals of not more than six months.
- O. Reg. 223/84, s. 63.

WATER SUPPLIES FOR FIRE PROTECTION

64.—(1) The hotelkeeper shall ensure that,

- (a) valves controlling water supplies exclusively for fire protection are inspected weekly to ensure that they are wide open and that they are sealed or locked in that position;
- (b) all tanks for fire protection, tanks supporting structures and water supply systems, including piping, control valves, check valves, heating systems, mercury gauges and expansion joints are inspected annually to ensure that they are in satisfactory operating condition; and
- (c) water levels in gravity tanks are inspected monthly to ensure that the proper level is maintained.

(2) The hotelkeeper shall ensure that,

- (a) fire pumps are tested monthly at rated speed and the fire pump discharge pressure, suction pressure, lubricating oil level, operative condition of relief valves, priming water level and general operating conditions are inspected;
- (b) fire pumps are tested annually at full rate capacity to ensure that they are capable of delivering the rated flow; and
- (c) records are kept of all fire pump tests, including flow tests, and made available to the inspector upon request. O. Reg. 223/84, s. 64.

PORTABLE EXTINGUISHERS

65. Portable fire extinguishers shall be,

- (a) conspicuously located;
- (b) readily accessible in the event of fire;
- (c) set on hangers, shelves or brackets, in a manner acceptable to the inspector; and
- (d) installed so that the top of the extinguisher is not more than,
 - (i) 1.1m above the floor, where the gross weight of the extinguisher is more than 18kg, or

- (ii) 1.5m above the floor, where the gross weight of the extinguisher is 18kg or less. O. Reg. 223/84, s. 65.

66. The hotelkeeper shall ensure that,

- (a) portable fire extinguishers are inspected monthly;
 - (b) defective portable fire extinguishers are repaired, replaced or recharged as necessary;
 - (c) portable fire extinguishers are maintained in accordance with the recommendations of the manufacturers;
 - (d) each portable fire extinguisher has a tag securely attached to it, showing the maintenance or recharge date, the servicing agency and the signature of the person who performed the service;
 - (e) a permanent record of the inspection and maintenance of all portable fire extinguishers, including the maintenance date, the examiner's name, and a description of any maintenance work or hydrostatic testing carried out, is kept on the premises;
 - (f) after use, portable fire extinguishers are replaced and recharged according to the instructions given on the extinguisher's nameplate;
 - (g) extinguisher shells, cartridges or cylinders that rupture or show leakage or permanent distortion in excess of specified limits are removed from service;
 - (h) all portable fire extinguishers are subjected to hydrostatic testing at the intervals and test pressures indicated on the extinguisher's nameplate; and
 - (i) a label is fixed to every portable fire extinguisher after hydrostatic testing indicating the month and year the test was performed, the test pressure used and the name of the person or agency performing the test.
- O. Reg. 223/84, s. 66.

67. No vaporizing liquid fire extinguisher shall be installed in a hotel, unless approved. O. Reg. 223/84, s. 67.

FIRE HAZARDS

68.—(1) Every hotel shall be kept clean and free of rubbish and other debris.

(2) Combustible materials shall not be permitted to accumulate in any part of an elevator shaft, ventilating shaft, stairway, fire escape or other means of egress in a hotel.

(3) The contents of containers for waste, rubbish and other debris shall be removed from the hotel at least once a week.

(4) Combustible materials shall not be used to absorb flammable or combustible liquid spills.

(5) Greasy and oily rags or materials subject to spontaneous heating shall be deposited in a receptacle constructed of noncombustible materials having a melting point of not less than 650°C, designed without any openings in the side and bottom and provided with a self-closing, tightly fitted cover.

(6) Lint traps in laundry equipment in a hotel shall be cleaned regularly to prevent excessive accumulation of lint.

(7) All ashes shall be stored in receptacles constructed of noncombustible materials having a melting point of not less than 650°C, designed without any openings in the side and bottom and provided with a self-closing tight fitting cover.

(8) Combustible materials shall not be stored in the same container with ashes.

(9) Storage containers for ashes shall not be placed within 1m, measured from the sides and top, of combustible materials and shall not be placed on combustible floor surfaces unless they are equipped with flanged bottoms or legs at least 50mm in height.

(10) Where conditions are such as to make smoking a fire or explosion hazard in a hotel, smoking shall be permitted only in specifically approved smoking areas.

(11) The areas where smoking is not permitted shall be identified by,

- (a) signs having lettering 50mm high with a 12.5mm stroke;
- (b) symbols with dimensions of 150 × 150mm; or
- (c) instructions established under a fire safety plan and available to all persons.

(12) Flammable liquids shall not be used for cleaning purposes in a hotel.

(13) Flammable gases shall not be used to inflate balloons in a hotel. O. Reg. 223/84, s. 68.

69. Containers constructed of noncombustible material and having self-closing covers shall be provided in public washrooms, and in other locations where they may be required throughout a hotel, for the deposit of used paper towels, rubbish and other debris. O. Reg. 223/84, s. 69.

FIRE SEPARATIONS

70. The hotelkeeper shall ensure that,

- (a) where fire separations between major occupancies, fire walls or fire separations between rooms, corridors, shafts and other spaces or closures in fire separations are damaged so as to affect their fire resistance rating, the damage shall be repaired so that the integrity of the fire separation, wall or closure is restored;
- (b) defects that interfere with the operation of closures in fire separations are corrected;
- (c) closures are maintained, to ensure that they are operable at all times, by,
 - (i) keeping fusible links and heat or smoke activated devices undamaged and free of paint and dirt,
 - (ii) keeping guides, bearings and stayrolls clean and lubricated,
 - (iii) inspecting door hardware and other ancillary components regularly and making necessary adjustments or repairs to ensure proper closing and latching, and
 - (iv) repairing or replacing inoperative parts of hold-open devices and automatic releasing devices whenever necessary;
- (d) closures in fire separations are not blocked or wedged open;
- (e) doors in fire separations are inspected monthly;
- (f) doors in fire separations are checked as frequently as is necessary to ensure that they remain closed, unless equipment is installed to close the door automatically;
- (g) fire dampers and fire-stopped flaps are inspected annually or on an approved schedule;
- (h) door openings and the surrounding areas are kept clear of anything that would be likely to obstruct or interfere with the fire separation of the door. O. Reg. 223/84, s. 70.

DRAPES, CURTAINS AND DECORATIVE MATERIALS

71. No drapery, curtain or other decorative textile, foam or other material shall be placed in a place of assembly, or in a lobby, corridor, stairway, or other exit, unless it is,

- (a) noncombustible; or
- (b) treated with a fire-retardant at least once a year, or in accordance with the manufacturer's instructions, whichever is oftener. O. Reg. 223/84, s. 71.

OPEN FLAMES

72.—(1) Unless approved, open flames shall not be permitted in a hotel in such quantities and in such a manner as to create a fire hazard.

(2) Decorative and lighting devices having open flames may not be used unless they are,

- (a) approved;
- (b) securely supported in noncombustible holders; and
- (c) so located and protected that combustible materials will not come in contact with or be ignited by the flames.

(3) In places of public assembly, flaming meals or drinks shall be ignited only at the table where they are served to diners.

(4) A portable fire extinguisher complying with sections 44 and 45 and rated as 1A, 5-B,C or higher shall be available wherever refuelling of appliances and containers used for flaming meals or drinks takes place and on every serving cart or table where flaming meals and drinks are being served.

(5) No appliance or container used for igniting flaming meals or drinks shall be refuelled in a dining area. O. Reg. 223/84, s. 72.

RUGS AND CARPETS

73. Every rug, carpet or other floor covering in a place of assembly or in a lobby, corridor, stairway or other exit in a hotel shall be maintained so that it does not crease, wrinkle or otherwise impede egress. O. Reg. 223/84, s. 73.

EXITS

74.—(1) All exit doors shall be clearly identified, and no draperies, mirrors or decorations shall be placed on or over exit doors.

(2) No lock, padlock, bar, chain or other device that prevents, or is intended to prevent, the free use of the door for exit purposes shall be installed or maintained on or in connection with an exit door.

(3) Exit doors, corridors, aisles and other means of egress shall be maintained free of obstruction.

(4) No furniture shall be placed in a corridor that serves a floor area that has sleeping accommodation, except as approved.

(5) Exterior passageways and exterior exit stairs shall be maintained free of snow and ice accumulations.

(6) Where equipment is provided to melt snow or ice on exterior passageways and exterior exit stairs in a hotel, the equipment shall be maintained in working order.

(7) All required exit signs shall be clearly visible and maintained in a clean and legible condition.

(8) Internally illuminated exit lights shall be clearly illuminated whenever the building is occupied.

(9) Emergency lighting unit equipment shall be maintained in accordance with the manufacturer's recommendations. O. Reg. 223/84, s. 74.

NUMBER OF PERSONS

75.—(1) The occupant load of a place of assembly determined under section 13 shall not be exceeded at any time.

(2) The occupant load of a place of assembly shall be posted in the place of assembly in a manner acceptable to an inspector. O. Reg. 223/84, s. 75.

ROWS OF MOVABLE SEATS

76.—(1) Every exit from a place of assembly that contains rows of movable seats shall be accessible from any row by aisles.

(2) No centre seating section in a place of assembly that contains rows of movable seats shall have more than sixteen seats in a row and no seating section running to a side wall shall have more than eight seats in a row.

(3) Where an exit is located at the side of a place of assembly that contains rows of movable seats, a cross aisle that affords access to the exit shall be provided.

(4) An aisle in a place of assembly that contains rows of movable seats shall be at least 1.1m wide.

(5) No person shall stand in an aisle or place additional seats, chairs or tables in a place of assembly so as to reduce the aisle space required by this section.

(6) Where the occupant load exceeds 200 persons in an assembly area containing movable seats,

(a) the aisles shall be at least 1.65m wide; and

(b) not more than one person for every 1.2m² of floor area shall be permitted in the assembly area,

unless otherwise approved. O. Reg. 223/84, s. 76.

HIGH-RISE FIRE PROTECTION

77.—(1) The hotelkeeper of a high-rise hotel shall ensure that the required emergency systems are properly maintained and operative at all times.

(2) The hotelkeeper of a high-rise hotel shall ensure that,

(a) keys required to recall elevators and to permit independent operation of each elevator are kept in a suitably identified box in a conspicuous location on the outside of the elevator shaft and at the central alarm and control facility;

(b) an elevator designed for firefighters' use is maintained in operable condition and is identified on the floor containing the central alarm and control facility and at any interchange level;

(c) access to windows and panels required to vent floor areas and to manually operable vents to vestibules is unobstructed;

(d) windows and panels provided for venting floor areas can be opened readily without the use of keys;

(e) manually operable vents to vestibules are maintained in an operable condition.

(3) The hotelkeeper of a high-rise hotel shall ensure that, at intervals of not more than three months,

(a) every elevator door opening device operated by means of photoelectric cells is tested to ensure that the device becomes inoperative after the door has been held open for more than ten seconds with the photoelectric cell covered;

(b) key operated switches located outside an elevator shaft are tested to ensure that actuation of the switch will render the emergency stop switch in each car inoperative and bring all cars to the street floor or transfer lobby by cancelling all other calls after the car has stopped at the next floor at which it can make a normal stop; and

(c) key operators' switches in each elevator car are tested to ensure that actuation of the switch will,

(i) enable the elevator to operate independently of other elevators,

(ii) allow operation of the elevator without interference from floor call buttons,

(iii) render door protective devices inoperative, and

(iv) permit the opening of power-operated doors only by continuous pressure on the door opening buttons or switches, so that if the "open" button or switch is released while the door is opening, the door will automatically close.

(4) The hotelkeeper of a high-rise hotel shall ensure that,

- (a) closures in vent openings into the smoke shafts from each floor area are inspected at least once in each five year period;
- (b) every closure in an opening to the outdoors at the top of a smoke shaft is inspected annually to ensure that it will open,
 - (i) manually from outside the building,
 - (ii) on a signal from a smoke or heat actuated device in the smoke shaft, and
 - (iii) when a closure in an opening between a floor area and the smoke shaft opens;
- (c) all elevators in an elevator shaft that is intended for use as a smoke shaft are inspected semi-annually, to ensure that on activation of the fire alarm system they will return to the street floor and remain inoperative;
- (d) controls for air-handling systems used for venting in the event of a fire are inspected annually, to ensure that air is exhausted from each floor area to the outdoors as required.

(5) The hotelkeeper of a high-rise hotel shall ensure that,

- (a) the smoke control equipment is maintained to ensure satisfactory operation;
- (b) where smoke control measures contained in the ACNBC publication "Measures for Fire Safety in High Buildings" are used, inspections and tests are conducted as outlined in section 7.3 of the National Fire Code of Canada, 1980; and
- (c) where smoke control systems are designed to meet the requirements of sentences 3.2.6.2 (2), (3) and (4) of the Ontario Building Code, inspection and testing of the equipment shall be in accordance with procedures established by the designer of the system. O. Reg. 223/84, s. 77.

TESTS AND RECORDS

78.—(1) Where tests, repairs or alterations are made to fire protection installations, including sprinkler and standpipe systems, the hotelkeeper shall notify the fire department and the building occupants where necessary for safety in the event of a fire emergency.

(2) The hotelkeeper shall keep a written record of all tests and corrective measures for a period of two years after they are made and shall make the record avail-

able upon request of the inspector. O. Reg. 223/84, s. 78.

HEATING, VENTILATION AND AIRCONDITIONING

79. The hotelkeeper shall ensure that,

- (a) every defective heating appliance in a hotel is removed, repaired or replaced when it creates a hazardous condition;
- (b) chimneys and chimney liners that constitute a fire hazard are repaired or replaced as necessary;
- (c) coal and wood bins are located at least 1.2m from any heating appliance;
- (d) hoods, filters and ducts subject to the accumulation of combustible deposits are checked weekly and are cleaned when the deposits create a fire hazard;
- (e) every chimney, flue and flue pipe is inspected annually and cleaned as often as may be necessary to keep it free of accumulations of combustible deposits;
- (f) where flue pipes are removed, every flue pipe hole is closed with a tight fitting noncombustible cover, compatible with the chimney flue construction;
- (g) chimneys, flue pipes and breaching are maintained in a safe operating condition;
- (h) except within bedrooms and suites, disconnect switches for mechanical airconditioning and ventilation systems are inspected annually to establish that the system can be shut down;
- (i) ventilation shafts in hotels are used only for ventilating purposes;
- (j) work on ducts involving the use of heat-producing devices for cutting, welding or soldering, is not undertaken before the ventilation system has been shut down, the duct cleaned of any accumulations of combustible deposits and any combustible lining and covering materials that could be ignited by the work have been removed;
- (k) commercial cooking equipment exhaust and fire protection systems are maintained in accordance with the manufacturer's recommendations;
- (l) instructions for manually operating fire extinguishing installations are posted conspicuously in the kitchen as part of the fire safety plan; and

- (m) solid fuel burning appliances and equipment are installed and maintained in accordance with the manufacturer's recommendations. O. Reg. 223/84, s. 79.

EMERGENCY POWER SUPPLIES

80. The hotelkeeper shall ensure that,

- (a) the emergency power supply system is inspected, tested and maintained in accordance with CSA C282-1977—"Emergency Electrical Power Supply for Building";
- (b) where an emergency power system or any part of it is shut down, alternate safety measures acceptable to the inspector are undertaken;
- (c) where an emergency power supply is installed, instructions are provided for switching on essential loads and for starting a generator where this is not done automatically;
- (d) a written record of inspections, performance, test periods and repairs is kept as required by CSA C282-1977;
- (e) the amount of fuel stored and connected to the emergency power system is sufficient to operate the engine for eight hours; and
- (f) the liquid fuel storage tanks for emergency power supplies are drained and refilled with a fresh supply of fuel at least once a year, unless otherwise approved. O. Reg. 223/84, s. 80.

SPECIAL EXTINGUISHING SYSTEMS

81. The hotelkeeper shall ensure that,

- (a) except where this section provides otherwise, inspection and maintenance of special extinguishing systems is carried out in accordance with the manufacturer's recommendations;
- (b) where a special extinguishing system or any part of it is shut down, alternate safety measures acceptable to the inspector are established;
- (c) written records are kept of all periodic inspection, maintenance and testing;
- (d) operating and maintenance instructions are posted near the equipment and near manual controls, if any;
- (e) valves and controls are clearly marked to indicate their function and are accessible at all times;
- (f) extinguishing agent containers provided for special extinguishing systems are fully

charged with the proper quantity of extinguishing agent and the necessary operating pressure is maintained;

- (g) discharge outlets for special extinguishing systems are kept free of dirt and residue;
- (h) piping and equipment is mechanically secure and accessible for cleaning and maintenance; and
- (i) no replacement equipment and devices provided for special extinguishing systems are used unless they are suitable for the installation in which they are placed. O. Reg. 223/84, s. 81.

82. Regulation 505 of Revised Regulations of Ontario, 1980 is revoked.

83. This Regulation comes into force on the 1st day of June, 1984.

(4547)

17

PLANNING ACT, 1983

O. Reg. 224/84.

Restricted Areas—Part of the

District of Nipissing.

Made—April 2nd, 1984.

Filed—April 10th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 540/74
MADE UNDER THE
PLANNING ACT, 1983

1. Ontario Regulation 540/74 is amended by adding thereto the following section:

100.—(1) Notwithstanding any other provision of this order, a single-family dwelling and buildings and structures accessory thereto may be erected and used on the land described in subsection (2).

(2) Subsection (1) applies to that parcel of land situate in the geographic Township of Loudon in the Territorial District of Nipissing, being that part of the north part of Broken Lot 4 in Concession V more particularly described as Part 1 on a Plan deposited in the Land Registry Office for the Land Titles Division of Nipissing (No. 36) as Number 36R-6127. O. Reg. 224/84, s. 1.

L. J. FINCHAM

Director

Plans Administration Branch

North and East

Ministry of Municipal Affairs

and Housing

Dated at Toronto, this 2nd day of April, 1984.

(4548)

17

ENVIRONMENTAL ASSESSMENT ACT

O. Reg. 225/84.

Exemption—The Metropolitan Toronto and Region Conservation Authority—MTRCA-1.

Made—April 6th, 1984.

Approved—April 6th, 1984.

Filed—April 10th, 1984.

ORDER MADE UNDER THE ENVIRONMENTAL ASSESSMENT ACT

EXEMPTION—THE METROPOLITAN TORONTO AND REGION CONSERVATION AUTHORITY—MTRCA-1

Having received a request from The Metropolitan Toronto and Region Conservation Authority that an undertaking, namely:

The activity of providing shoreline protection by means of a revetment, a partial buttress and an interceptor drainage system along 1,000 metres of Lake Ontario shoreline at the base of the Scarborough Bluffs between Rogate Place and Livingston Road in the City of Scarborough.

be exempt from the application of the Act pursuant to Section 29; and

Having been advised that if the undertaking is subject to the application of the Act, the following injury, damage or interference with the persons and property indicated will occur:

- A. Property owners are injured by decreasing property values and the constant threat that their homes may become unsaleable as the narrow buffer strip between their properties and the lake is steadily eroded away.
- B. Property damage to publicly and privately owned land will continue as large sections of the Bluff slump into Lake Ontario. The already narrow park strip which separates the private homes from the crest of the Bluff is rapidly disappearing.
- C. Park users are threatened by the instability of the bank and the unpredictability of the large slope failures which occur frequently.
- D. The threat to the existing houses increases month by month as the Bluff continues to erode towards or into the backyards of the homes in the area.
- E. The shoreline management program of The Metropolitan Toronto and Region Conservation Authority will be interfered with as funding for the proposed remedial measures comes from both municipal and provincial

sources thereby leading to lengthy approval processes and the risk of re-allocations to other projects if planned works do not proceed on schedule.

- F. The Metropolitan Toronto and Region Conservation Authority will be interfered with because delayed implementation of the project will result in increasing severity of the problem as well as increased costs and complexity of the remedial work.

- G. Local water quality is impaired because of sediment loading from the active eroding site.

Having weighed such injury, damage, or interference against the betterment of the people of the whole or any part of Ontario by the protection, conservation and wise management of the environment which would result from the undertaking being subject to the application of the Act;

The undersigned is of the opinion that it is in the public interest to order and orders that the undertaking is exempt from the application of the Act for the following reasons:

- A. Further delay required to undertake an environmental assessment would result in unnecessary, additional property losses and devaluation and could potentially jeopardize existing structures.
- B. The existing environment is highly disturbed by natural erosion processes and therefore the impact of the proposed works is low. The Metropolitan Toronto and Region Conservation Authority's shoreline management program identifies that such stabilization works have a net environmental benefit in terms of sediment control, land conservation and reduction of hazard to life.
- C. Considerable concern over the fate of their properties has been expressed by the residents of the South Marine Drive area.
- D. Further delay will result in increasing severity of the problem as well as increased costs and complexity of the remedial work.

This exemption order is subject to the following terms and conditions:

1. Where any activity which otherwise would be exempt under this order, is being carried out as or is part of, an undertaking for which an environmental assessment has been accepted and approval to proceed received, the activity shall be carried out in accordance with any terms or conditions in the approval to proceed as well as the conditions of this order.

2. Where any activity which is the subject of this order, is being carried out as or is part of, another undertaking which is the subject of an exemption order under the Act, the activity exempt under this order shall be carried out in accordance with any terms or conditions in the other exemption order as well as the conditions in this order.
3. Earthfill may be used to construct the core of the revetment wall which is proposed as part of the undertaking during the period of May 1 to October 30 only. MTRCA shall ensure that the quality of earthfill used for this purpose complies with the Ministry of the Environment's Lakefill Quality Guidelines.
4. The preliminary armouring of the revetment core shall not lag more than 15 metres behind the advancing core face and final armouring shall be completed by December 15.
O. Reg. 225/84.

A. BRANDT

Minister of the Environment

(4549)

17

- B. The public will be damaged by the loss of anticipated outdoor recreational opportunities and tourism benefits.
- C. The Ministry of Natural Resources will be damaged by interference with long-standing negotiations and efforts to acquire the properties described in Condition 1, and ultimately by interference with the Ministry's commitment to protect significant natural environments and to provide the public with outdoor recreation opportunities.

Having weighed such injury, damage, or interference against the betterment of the people of the whole or any part of Ontario by the protection, conservation and wise management in Ontario of the environment which would result from the undertaking being subject to the application of the Act;

The undersigned is of the opinion that it is in the public interest to order and orders that the undertaking is exempt from the application of the Act for the following reasons:

- A. The acquisition of the properties at this time, by the Ministry of Natural Resources will ensure the long term protection of the areas' valuable features.
- B. Significant biological, geological and recreational environments will be protected by the acquisition of these areas and their subsequent regulation and management as a Provincial Park under the *Provincial Parks Act*.
- C. The Ministry of Natural Resources has undertaken lengthy negotiations to acquire the subject properties which are currently available for purchase to the Ministry for a limited time only.
- D. The selection of the Great Manitou Island park site represents a co-operative initiative involving the Ministry of Natural Resources, the Nature Conservancy of Canada and the Ontario Heritage Foundation.

This exemption order is subject to the following terms and conditions:

1. This exemption applies only to the acquisition of properties listed below and does not exempt the regulation or interim management of the area as a Provincial Park under the *Provincial Parks Act*.

ENVIRONMENTAL ASSESSMENT ACT

O. Reg. 226/84.
Exemption—Ministry of Natural Resources—MNR-46.
Made—March 30th, 1984.
Approved—April 6th, 1984.
Filed—April 10th, 1984.

ORDER MADE UNDER THE
ENVIRONMENTAL ASSESSMENT ACT

EXEMPTION—MINISTRY OF NATURAL
RESOURCES—MNR-46

Having received a request from the Minister of Natural Resources that an undertaking, namely:

The activities of acquiring properties listed in Condition 1 on Great Manitou Island, District of Nipissing,

be exempt from the application of the Act pursuant to section 29; and

Having been advised that if the undertaking is subject to the application of the Act, the following injury, damage or interference with the persons and property indicated will occur:

- A. Significant biological, geological and recreational environments will deteriorate unless protected from inappropriate development.

Great Manitou Island, District of Nipissing

Plan	Lot
98	54/55
98	56/57
98	58/59
98	61/62
98	67/68

O. Reg. 226/84.

A. BRANDT
Minister of the Environment

Dated this 30th day of March, 1984.

(4550)

17

HOUSING DEVELOPMENT ACT

O. Reg. 227/84.
General.
Made—April 6th, 1984.
Filed—April 10th, 1984.

REGULATION TO AMEND
REGULATION 506 OF
REVISED REGULATIONS OF ONTARIO, 1980
MADE UNDER THE
HOUSING DEVELOPMENT ACT

1. Subsection 2 (3) of Regulation 506 of Revised Regulations of Ontario, 1980 is revoked and the following substituted therefor:
- (3) When a municipality uses any part of the trust fund established by that municipality under clause 4 (b) for a purpose other than,
- (a) the purposes for which the trust fund was established; or
- (b) investments permitted by clause 4 (ba),
- the Minister may require the municipality to repay that part of the trust fund to the Province of Ontario. O. Reg. 227/84, s. 1.
2. Subsection 3 (1) of the said Regulation, as amended by subsection 2 (1) of Ontario Regulation 780/83, is revoked and the following substituted therefor:
- (1) It is a condition attaching to all grants made by the Minister to a municipality under this Regulation that the moneys in the trust fund established under clause 4 (b) be used by the municipality only to make

loans, each in an amount not exceeding \$7,500, subject to subsection (2), less any amounts received through Federal funding, to owners who,

- (a) make application in Form 2;
- (b) reside in the municipality; and
- (c) qualify for a loan under this Regulation to assist in the repair, rehabilitation and improvement of real property used for residential purposes and occupied by its owner. O. Reg. 227/84, s. 2.

3. Clause 4 (b) of the said Regulation is revoked and the following substituted therefor:

- (b) establish a trust fund and deposit in it all moneys received under this Regulation, all moneys received in repayment of loans made under this Regulation, and all interest accruing thereon;
- (ba) be allowed to invest any part of the trust fund not required for immediate use for loans under section 3 in investments authorized for a trustee under clauses 26 (e), (g) and (h) of the *Trustee Act*;

(4551)

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PLANNING ACT, 1983

O. Reg. 228/84.
Restricted Areas—District of Thunder Bay, geographic townships of Gorham Gorham and Ware.
Made—April 2nd, 1984.
Filed—April 11th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 109/75
MADE UNDER THE
PLANNING ACT, 1983

1. Ontario Regulation 109/75 is amended by adding thereto the following section:
- 31.—(1) Notwithstanding any other provision of this Order, a single-family cottage and buildings and structures accessory thereto may be erected and used on the land described in subsection (2).
- (2) Subsection (1) applies to that parcel of land situate in the geographic Township of Gorham in the Territorial District of Thunder Bay, being Lot 10 on a Plan registered in the Land Registry Office for the Land Titles Division of Thunder Bay (No. 55) as Number M-205 and described as Parcel 17528 in the Register for Thunder Bay Freehold. O. Reg. 228/84, s. 1.

L. J. FINCHAM
Director
Plans Administration Branch
North and East
Ministry of Municipal Affairs
and Housing

Dated at Toronto, this 2nd day of April, 1984.

(4552)

17

GAME AND FISH ACT

O. Reg. 229/84.
Open Seasons—Moose and Deer.
Made—April 6th, 1984.
Filed—April 11th, 1984.

REGULATION TO AMEND
REGULATION 428 OF
REVISED REGULATIONS OF ONTARIO, 1980
MADE UNDER THE
GAME AND FISH ACT

1. Column 1 of item 7 of Schedule 1 to Regulation 428 of Revised Regulations of Ontario, 1980, as remade by section 4 of Ontario Regulation 137/83, is revoked and the following substituted therefor:
- 46, 47, 48, 49, 50, 53,
54, 55, 56, 57, 58, 59,
60, 61, 62 and 63
2. Column 1 of item 4 of Schedule 2 to the said Regulation, as remade by section 4 of Ontario Regulation 137/83, is revoked and the following substituted therefor:
- 21A, 21B
and 38

(4553)

17

HIGHWAY TRAFFIC ACT

O. Reg. 230/84.
Exemption from the Provisions of Section 7 of the Act—State of Alabama.
Made—April 6th, 1984.
Filed—April 12th, 1984.

REGULATION MADE UNDER THE
HIGHWAY TRAFFIC ACT

STATE OF ALABAMA EXEMPTION FROM
THE PROVISIONS OF SECTION 7 OF THE
ACT

1. In this Regulation,

- (a) “base” means the place,
- (i) from which a vehicle is most frequently dispatched, operated or otherwise controlled,
- (ii) at which it is garaged, serviced or maintained, or
- (iii) from which the vehicle leaves and to which it returns in its normal operations;
- (b) “place of business” means a place or location in the State of Alabama where an owner or lessee of a commercial motor vehicle has a terminal, warehouse, office, garage or a permanent *bona fide* address at which an employee reports and performs regular and continuing service for the owner or lessee or, when used in respect of a household carrier, means the place or location where the carrier or his agent has a terminal, warehouse, office, garage or a permanent *bona fide* address at which an employee reports and performs regular and continuing service for the carrier or his agent. O. Reg. 230/84, s. 1.

- 2.—(1) Every commercial motor vehicle that,
- (a) is owned or leased by a person who has a place of business in the State of Alabama;
- (b) is registered and based in the State of Alabama;
- (c) bears number plates issued for the vehicle by the State of Alabama except where the registration referred to in clause (b) is temporary; and
- (d) has a gross weight, including the gross weight of any towed vehicles, not exceeding the gross weight shown on the permit issued by the State of Alabama,

is exempt from the provisions of section 7 of the Act during its stay in Ontario, for a period of thirty days commencing with the day the vehicle enters Ontario.

- (2) The exemption provided by subsection (1) ceases to apply to a commercial motor vehicle that,
- (a) is used or maintained for the transportation of goods or passengers for compensation or in furtherance of a commercial enterprise; or
- (b) weighs more than 2800 kilograms and does not have a camper unit mounted on it as a functional part of it,

upon the vehicle being used to pick up goods or passengers in Ontario for delivery in Ontario.

(3) The exemption provided by subsection (1) ceases to apply upon the Minister notifying the owner or lessee of the vehicle that in the opinion of the Minister the conditions set out in subsection (1) are not being met. O. Reg. 230/84, s. 2.

3. Item 1 of the Schedule to Regulation 466 of Revised Regulations of Ontario, 1980 is revoked.

(4573)17

EDUCATION ACT

O. Reg. 231/84.
Ontario Teacher's Qualifications.
Made—March 22nd, 1984.
Approved—April 6th, 1984.
Filed—April 12th, 1984.

REGULATION TO AMEND
REGULATION 269 OF
REVISED REGULATIONS OF ONTARIO, 1980
MADE UNDER THE
EDUCATION ACT

1.—(1) Section 14 of Regulation 269 of Revised Regulations of Ontario, 1980, exclusive of the clauses, is revoked and the following substituted therefor:

14. An applicant for a Temporary Letter of Standing who completed a teacher education program outside Ontario shall submit to the Deputy Minister with his application,

(2) Clause 14 (f) of the said Regulation is revoked and the following substituted therefor:

(f) such evidence as the Deputy Minister may require of successful teaching experience in schools and programs similar to those for which the Temporary Letter of Standing applied for is valid. R.R.O. 1980, Reg. 269, s. 14; O. Reg. 231/84, s. 1.

2. Subsection 15 (1) of the said Regulation, exclusive of the clauses, is revoked and the following substituted therefor:

(1) Where an applicant for a Temporary Letter of Standing,

the Deputy Minister may issue to the applicant a Letter of Eligibility in Form 5 where the teacher education program was taken in English and in Form 5a where the program was taken in French. R.R.O. 1980, Reg. 269, s. 15 (1); O. Reg. 231/84, s. 2.

3. Section 16 of the said Regulation, exclusive of the clauses, is revoked and the following substituted therefor:

16. Where an applicant for a Temporary Letter of Standing,

the Deputy Minister may issue to the applicant a Letter of Eligibility in Form 5 or if the applicant wishes to become qualified to teach in French language schools and classes established under Part XI of the Act, a Letter of Eligibility in Form 5a. R.R.O. 1980, Reg. 269, s. 16; O. Reg. 231/84, s. 3.

4. Forms 5 and 5a of the said Regulation are revoked and the following substituted therefor:

Form 5

Education Act

LETTER OF ELIGIBILITY

TO

.....
(Name)

In consideration of your academic and professional education, you are hereby issued a LETTER OF ELIGIBILITY valid for one year under section.....of the Ontario Teacher's Qualifications Regulation. When you have conformed with the requirements of section....., you will qualify for a Temporary Letter of Standing.

Dated at Toronto, this day of 19...

.....
Deputy Minister

Statement of Board Supervisory Officer

This is to certify that the holder of this Letter of Eligibility
(Name)
has been offered a position as a teacher with
(Name of Board)

for the school year subject to the granting of a Temporary Letter of Standing and further, that the applicant has adequate fluency in the use of the English language to carry out the duties and responsibilities of a teacher.

Dated at this day of 19....

.....
Supervisory Officer
.....
Position

O. Reg. 231/84, s. 4, *part.*

Form 5a

Loi sur l'éducation

ATTESTATION D'ADMISSIBILITÉ
DÉCERNÉE À

.....
(nom)

Eu égard à votre formation scolaire et professionnelle, nous vous décernons la présente ATTESTATION D'ADMISSIBILITÉ, valable pour un an, en vertu de l'article.....du Règlement sur la compétence
15 (1) ou 16
requis de l'enseignant en Ontario. Lorsque vous aurez satisfait aux exigences de l'article....., 15 (2) ou 17
vous pourrez recevoir une attestation temporaire de compétence.

Fait à Toronto le 19....

Le sous-ministre
.....

Déclaration de l'agent de supervision du conseil scolaire

Je soussigné(e) certifie que, titulaire de la présente attestation
(nom)

d'admissibilité, a reçu une offre d'emploi comme enseignant du conseil scolaire,
(nom)

pour l'année scolaire, sous réserve de l'obtention d'une attestation temporaire de compétence.
Je certifie de plus que le candidat possède une maîtrise du français suffisante pour satisfaire aux tâches et aux exigences de sa profession d'enseignant.

Fait à le 19....

L'agent de supervision
.....

Poste
.....

O. Reg. 231/84, s. 4, part.

BETTE STEPHENSON
Minister of Education

Dated at Toronto, this 22nd day of March, 1984.

PARKWAY BELT PLANNING
AND DEVELOPMENT ACT

O. Reg. 232/84.
County of Halton (now part of the regional municipalities of Halton and Peel),
Town of Oakville (now part of the towns of Halton Hills, Milton, Oakville and the City of Mississauga).
Made—April 6th, 1984.
Filed—April 12th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 481/73
MADE UNDER THE
PARKWAY BELT PLANNING AND
DEVELOPMENT ACT

1. Ontario Regulation 481/73 is amended by adding thereto the following section:

78.—(1) Notwithstanding any other provision of this Order, a single-family dwelling and buildings and structures accessory thereto may be erected and used on the land described in subsection (2) provided the following requirements are met:

Minimum floor area of single-family dwelling	793 square metres
Minimum front yard	52 metres
Minimum side yards	21 metres
Minimum rear yard	61 metres
Maximum height of single-family dwelling	9 metres

(2) Subsection (1) applies to that parcel of land situate in the Town of Milton in The Regional Municipality of Halton, being the southwest half of Lot 7 in Concession V, New Survey, and designated as Part I on a Reference Plan deposited in the Land Registry Office for the Registry Division of Halton (No. 20) as Number 20R-5728. O. Reg. 232/84, s. 1.

G. M. FARROW
Assistant Deputy Minister
Community Planning Wing
Ministry of Municipal Affairs
and Housing

Dated at Toronto, this 6th day of April, 1984.

NIAGARA ESCARPMENT PLANNING
AND DEVELOPMENT ACT

O. Reg. 233/84.
Designation of Area of Development
Control.
Made—April 2nd, 1984.
Filed—April 13th, 1984.

REGULATION TO AMEND
REGULATION 683 OF
REVISED REGULATIONS OF ONTARIO, 1980
MADE UNDER THE
NIAGARA ESCARPMENT PLANNING AND
DEVELOPMENT ACT

1. Paragraph 24 of the Schedule to Regulation 683 of Revised Regulations of Ontario, 1980, as remade by section 1 of Ontario Regulation 669/83, is revoked and the following substituted therefor:

24. In the Town of Ancaster in The Regional Municipality of Hamilton-Wentworth described as follows:

Beginning at the place of intersection of the easterly boundary of the Town of Ancaster and the southerly limit of Mohawk Road;

Thence westerly along the southerly limit of Mohawk Road to the southerly prolongation of the westerly limit of Lot 54 in Concession II;

Thence northerly to and along the westerly limit of that Lot 54 to a point distant 107.01 metres measured north 12° 05' 35" west from the southwesterly angle of that Lot;

Thence south 81° 21' 30" west 15 metres to a point;

Thence north 39° 18' 25" west 111.7 metres to a point;

Thence north 2° 59' 30" east 34 metres to a point;

Thence south 87° 00' 30" east 25 metres to a point;

Thence north 46° 02' 45" east 60.64 metres to a point;

Thence north 18° 02' west 30 metres to a point;

Thence north 69° 31' 15" west 64.94 metres to a point;

Thence north 57° 01' 10" west 104.25 metres to a point;

Thence north $45^{\circ} 02' 10''$ west 113.2 metres to a point;

Thence north $71^{\circ} 13' 10''$ west 58.26 metres to a point;

Thence north $59^{\circ} 44'$ west 104.74 metres to a point;

Thence north $27^{\circ} 07' 40''$ west 54.23 metres to a point;

Thence north $25^{\circ} 10' 25''$ east 135.11 metres to a point;

Thence north $72^{\circ} 10' 10''$ east 71.51 metres to a point;

Thence north $14^{\circ} 47' 35''$ east 62.51 metres to a point;

Thence north $18^{\circ} 09' 50''$ west 35.73 metres to a point;

Thence north $18^{\circ} 34'$ east 127.28 metres to a point;

Thence north $61^{\circ} 18' 55''$ east 64.22 metres to a point;

Thence south $70^{\circ} 06' 30''$ east 200.75 metres to a point;

Thence south $14^{\circ} 30' 15''$ west 35 metres to a point;

Thence south $88^{\circ} 33' 20''$ east 50.9 metres to a point;

Thence north $76^{\circ} 38' 55''$ east 59.52 metres to a point;

Thence north $77^{\circ} 17' 10''$ east 134.45 metres to a point in the westerly limit of Scenic Drive;

Thence south $12^{\circ} 15' 12''$ east along the westerly limit of Scenic Drive 110.5 metres to a point;

Thence south $2^{\circ} 08' 05''$ east along the westerly limit of the lands of Ontario Hydro 184.88 metres to a point;

Thence north $77^{\circ} 44' 45''$ east 32.48 metres to the westerly limit of Scenic Drive;

Thence south $12^{\circ} 15' 12''$ east along that westerly limit 36 metres to a point;

Thence south $77^{\circ} 44' 45''$ west 38.91 metres to the westerly limit of the lands of Ontario Hydro;

Thence south $2^{\circ} 08' 05''$ east along that westerly limit 389.46 metres to a point;

Thence north $80^{\circ} 39' 05''$ east 107.48 metres to the westerly limit of Scenic Drive;

Thence south $12^{\circ} 15' 12''$ east along that westerly limit 50 metres to a point;

Thence south $76^{\circ} 56' 30''$ west 117.54 metres to the westerly limit of the lands of Ontario Hydro;

Thence south $2^{\circ} 08' 05''$ east along that westerly limit 21.04 metres to a point;

Thence south $77^{\circ} 38' 35''$ west 52.39 metres to the northeasterly angle of Lot 254 as shown on a Plan registered in the Land Registry Office for the Registry Division of Wentworth (No. 62) as Number 595;

Thence north $12^{\circ} 19' 40''$ west 45.74 metres to a point;

Thence south $77^{\circ} 34' 40''$ west 31.95 metres to a point;

Thence south $77^{\circ} 40' 35''$ west 67.02 metres to a point;

Thence westerly along a curve to the right having a radius of 65.42 metres, an arc of 24.53 metres, the chord being 24.38 measured south $88^{\circ} 09' 40''$ west, to a point;

Thence south $4^{\circ} 04' 40''$ west 52.42 metres to a point;

Thence north $72^{\circ} 17'$ west 88.49 metres to the westerly limit of the said Lot 54 in Concession II;

Thence south $12^{\circ} 05' 35''$ east along that westerly limit 92.01 metres to the southwesterly angle of that Lot;

Thence south $12^{\circ} 05' 35''$ east crossing Mohawk Road to the southerly limit of that Road;

Thence westerly along the southerly limit of Mohawk Road to the intersection of the southerly prolongation of the westerly limit of Part 2 as shown on a Plan deposited in the Land Registry Office for the Land Titles Division of Wentworth (No. 62) as Number 62R-5625;

Thence northerly along that prolongation to the southwesterly angle of that Part 2;

Thence north $13^{\circ} 14' 30''$ west along that westerly limit 43.47 metres to the northwesterly angle of that Part 2;

Thence north $76^{\circ} 18' 30''$ east along the northerly limit of that Part 22.49 metres to

the easterly limit of Part 1 as shown on that Plan;

Thence north $13^{\circ} 45' 30''$ west along that easterly limit 8.418 metres to the southwesterly angle of Part 1 as shown on a Plan deposited in the Land Registry Office for the said Registry Division as Number 62R-6636;

Thence north $76^{\circ} 14' 30''$ east 12.945 metres to an angle in that Part 1;

Thence north $11^{\circ} 41'$ west 11.04 metres to an angle in that Part 1;

Thence north $76^{\circ} 25' 20''$ east 17.118 metres to the easterly limit of that Part 1;

Thence north $13^{\circ} 45' 10''$ west along that easterly limit 213.36 metres to the northerly limit of the southerly half of Lot 48 in Concession II;

Thence westerly along that northerly limit 201.118 metres to the northwesterly angle of Part 1 as shown on the said Plan 62R-5625;

Thence south $13^{\circ} 50'$ east 60.665 metres to a point;

Thence south $54^{\circ} 10' 10''$ west 48.274 metres to a point;

Thence south $13^{\circ} 42'$ east 231.516 metres to the northwesterly limit of Mohawk Road;

Thence north $46^{\circ} 58' 40''$ east along that northwesterly limit 31.13 metres to an angle in that Part 1;

Thence north $13^{\circ} 52' 40''$ west 56.64 metres to a point;

Thence north $76^{\circ} 09' 30''$ east 18.29 metres to a point;

Thence north $13^{\circ} 52' 40''$ west 63.21 metres to a point;

Thence north $74^{\circ} 14' 50''$ east 127.93 metres to a point;

Thence south $13^{\circ} 41' 30''$ east 106.73 metres to the northerly limit of Mohawk Road;

Thence south $13^{\circ} 41' 30''$ east 20 metres to the southerly limit of Mohawk Road;

Thence westerly along that southerly limit of the southerly prolongation of the westerly limit of Lime Kiln Road;

Thence northerly to and along that westerly limit to a point distant 99.066 metres measured northerly therealong from the north-

easterly angle of Block FX as shown on a Plan registered in the Land Registry Office for the said Land Titles Division as Number M-193;

Thence south $81^{\circ} 15'$ west 143.274 metres to a point;

Thence north $13^{\circ} 57'$ west 191.704 metres to a point;

Thence north $51^{\circ} 53' 30''$ west 23.622 metres to a point;

Thence north $89^{\circ} 41' 30''$ east 166.406 metres to the easterly limit of Lot 47 in Concession II;

Thence north $13^{\circ} 10' 12''$ west along that easterly limit to the northerly limit of Part 1 as shown on a Plan deposited in the Land Registry Office for the said Land Titles Division as Number 62R-338;

Thence westerly along that northerly limit to the westerly limit of that Lot 47;

Thence northerly along that westerly limit to the southerly limit of Montgomery Drive;

Thence westerly along that southerly limit to the easterly limit of the Old Ancaster Dundas Road;

Thence southerly along that easterly limit to the southerly limit of Part 1 as shown on a Plan deposited in the Land Registry Office for the said Registry Division of Wentworth as Number 62R-2296;

Thence easterly along that southerly limit to the southeasterly limit of that Part 1;

Thence northerly and northwesterly along the easterly limit of that Part 1 to the southerly limit of Montgomery Drive;

Thence easterly along that southerly limit to the westerly limit of that Lot 47;

Thence southerly along that westerly limit to a point distant 14.356 metres measured south $13^{\circ} 27'$ east from the northerly limit of Part 1 on said Plan 62R-338;

Thence south $13^{\circ} 04'$ east along that westerly limit 43.909 metres to a point;

Thence north $77^{\circ} 01'$ east 89.514 metres to a point;

Thence south $12^{\circ} 59'$ east 27.423 metres to a point;

Thence south $20^{\circ} 19'$ east 105.665 metres to a point;

Thence south 19° east 62.072 metres to a point;

Thence south $83^{\circ} 18' 30''$ west 73.969 metres to a point;

Thence north $85^{\circ} 16'$ west 37.429 metres to the westerly limit of that Lot 47;

Thence south $13^{\circ} 04'$ east along that westerly limit 176.351 metres to a point;

Thence north $87^{\circ} 48'$ east 109.981 metres to a point;

Thence southwesterly along the westerly limit of the land as shown on said Plan M-193 to the southerly limit of the street widening of Mohawk Road as shown on that Plan;

Thence south $67^{\circ} 28' 40''$ east along that southerly limit 37.058 metres to a point;

Thence south $78^{\circ} 04' 50''$ east along that southerly limit 21.120 metres to a point;

Thence north $1^{\circ} 25' 33''$ west 35.128 metres to a point;

Thence south $82^{\circ} 23' 35''$ east 18.742 metres to a point;

Thence south $0^{\circ} 18' 30''$ east 36.576 metres to that southerly limit;

Thence easterly along that southerly limit to an angle in that Plan;

Thence north $0^{\circ} 22'$ west 36.576 metres to a point;

Thence south $85^{\circ} 38'$ east 38.1 metres to a point;

Thence south $0^{\circ} 22'$ west 36.576 metres to the northerly limit of Mohawk Road as shown on said Plan 62R-338;

Thence south $85^{\circ} 38'$ east 38.1 metres along that northerly limit to a point;

Thence north $2^{\circ} 17'$ east 37.490 metres to a point;

Thence south $85^{\circ} 38'$ east 18.288 metres to a point;

Thence south $2^{\circ} 17'$ west 37.490 metres to that northerly limit of Mohawk Road;

Thence easterly along that northerly limit to the westerly limit of Lime Kiln Road;

Thence southerly along the prolongation of that westerly limit to the southerly limit of Mohawk Road;

Thence westerly along that southerly limit to the southeasterly limit of Wilson Street East;

Thence northwesterly to and along the westerly limit of the Old Dundas Road to a point 24.384 metres measured therealong from the northwesterly limit of Wilson Street, the said point being the northerly limit of the lands described in an Instrument registered in the Land Registry Office for the said Registry Division as Number 116905 AB;

Thence westerly along that northerly limit to a line parallel with and distant 76.2 metres measured at right angles from the northwesterly limit of Wilson Street East;

Thence southwesterly along that parallel line to the southwesterly limit of Sulphur Springs Road;

Thence northwesterly along that southwesterly limit to the westerly limit of Mansfield Drive;

Thence southerly along that westerly limit to the southerly limit of Judith Crescent;

Thence northwesterly along the southwesterly limit of Judith Crescent to the southerly limit of Maureen Avenue;

Thence westerly along that southerly limit to the easterly limit of Lovers Lane;

Thence northwesterly to a point on the westerly limit of Lovers Lane distant 224.129 metres measured north $12^{\circ} 24'$ west from the northeasterly angle of lands shown on a Plan registered in the Land Registry Office for the said Registry Division as Number 888;

Thence south $77^{\circ} 36'$ west 68.58 metres to a point;

Thence north $12^{\circ} 24'$ west 68.58 metres to a point;

Thence north $77^{\circ} 36'$ east 67.361 metres to the westerly limit of Lovers Lane;

Thence north $13^{\circ} 28' 20''$ west along that westerly limit 97.853 metres to a point;

Thence south $78^{\circ} 11'$ west along the southerly limit of Part 3 as shown on a Plan registered in the Land Registry Office for the said Registry Division as Number 62R-1595 a distance of 208.578 metres to the southwesterly angle of that Part;

Thence north $62^{\circ} 49'$ west 183.514 metres to a point;

Thence north $12^{\circ} 42'$ west 52.319 metres to a point;

Thence south $77^{\circ} 18'$ west 143.216 metres to the easterly limit of the land shown on a Plan registered in the Land Registry Office for the said Registry Division as Number 1076;

Thence northerly along that easterly limit to the southeasterly angle of the land shown on a Plan registered in the Land Registry Office for the said Land Titles Division as Number 62R-3357;

Thence northerly along the easterly limit of that Plan to the northerly limit of that Plan;

Thence westerly along that northerly limit to the easterly limit of Lot 40 in Concession II;

Thence northerly along that easterly limit 70.104 metres to the northwesterly limit of that Plan;

Thence southwesterly along that northwesterly limit to the westerly limit of that Lot 40;

Thence southerly along that westerly limit 111.252 metres to the southerly limit of that Plan;

Thence easterly along that southerly limit to the easterly limit of the lands shown on said Plan 1076;

Thence southerly along the easterly limit of the lands shown on Plans registered in the Land Registry Office for the said Registry Division as Numbers 1076 and 783 to the northwesterly angle of Lot 31 as shown on a Plan registered in the Land Registry Office for the said Registry Division as Number 930;

Thence easterly along the northerly and easterly limits of the lands shown on the said Plan to the northerly limit of said Plan 888;

Thence north 77° east along that northerly limit 244.898 metres to the westerly limit of Lovers Lane;

Thence southerly along that westerly limit to the northerly limit of Joanne Court;

Thence westerly and southerly along the northerly and westerly limits of Joanne Court to the northerly limit of Parker Avenue;

Thence westerly along that northerly limit to the easterly limit of Hadley Drive;

Thence northerly along that easterly limit to the southerly limit of McGregor Crescent;

Thence westerly along the southerly and southwesterly limits of McGregor Crescent to the southerly limit of Terrence Park Drive;

Thence westerly along that southerly limit to the westerly limit of Lloyminn Avenue;

Thence southerly along the westerly limit of Lloyminn Avenue and the southerly prolongation of that limit to the northwesterly limit of Concession III;

Thence southwesterly along that northwesterly limit to the southeasterly prolongation of the northeasterly limit of Lot 31 in Concession II;

Thence northwesterly to and along that northeasterly limit to the northwesterly limit of that Concession;

Thence northwesterly along the northwesterly prolongation of that northeasterly limit to the southeasterly limit of Concession I;

Thence southwesterly along that southeasterly limit to the easterly limit of that portion of the King's Highway known as No. 52;

Thence northerly along the easterly limit of the said Highway to the northerly boundary of the Town of Ancaster;

Thence easterly along that northerly boundary to the westerly boundary of the Town of Dundas;

Thence in a general easterly direction following the boundaries between the Towns of Ancaster and Dundas to an angle in the westerly boundary of the City of Hamilton;

Thence in a general southeasterly direction following the boundaries between the Town of Ancaster and the City of Hamilton to the place of beginning.

NORMAN W. STERLING
*Provincial Secretary
for Resources Development*

Dated at Toronto, this 2nd day of April, 1984.

(4576)

17

HEALTH PROTECTION AND PROMOTION ACT, 1983

O. Reg. 234/84.

Capital Assistance Grants for
Boards of Health.

Made—April 13th, 1984.

Filed—April 13th, 1984.

REGULATION MADE UNDER THE
HEALTH PROTECTION AND
PROMOTION ACT, 1983

CAPITAL ASSISTANCE GRANTS
FOR BOARDS OF HEALTH

1. In this Regulation,

(a) "approved cost" means that portion of the actual cost of a building project approved by the Minister, and includes,

(i) fees that are approved by the Minister and paid to an architect for his services and the services of his consulting engineers,

(ii) fees that are approved by the Minister for consultants, other than those paid through an architect,

(iii) necessary basic equipment and furnishings, and the installation thereof,

(iv) land surveys and soil tests, and

(v) necessary paving and sodding,

but does not include,

(vi) operating supplies,

(vii) working capital and pre-opening expenses,

(viii) financing charges,

(ix) contingency allowances,

(x) landscaping, gardens, works of art, murals, busts, statues and similar decorations,

(xi) facilities for ancillary revenue-producing operations, or

(xii) land costs;

(b) "balance of the approved cost" means the remainder after deducting the amount of the grant from the actual cost of the building project;

(c) "building project" means,

(i) the acquisition of an existing building or buildings and alterations or additions thereto,

(ii) the construction of a new building or buildings, but does not include the demolition of existing buildings or the clearing of a site, or

(iii) the renovation or alteration of an existing building or buildings,

for the use and purposes of a board of health. O. Reg. 234/84, s. 1.

2.—(1) The Minister may pay a grant to a board of health that makes application therefor in a form provided by the Minister for a building project that is for the use and purposes of a board of health in performing its duties and functions under the Act.

(2) The amount of a grant shall be two-thirds of the approved cost of the building project. O. Reg. 234/84, s. 2.

3. It is a condition of a grant that,

(a) the Minister has received all such information, material and documents as the Minister requires in respect of the building project;

(b) the municipalities within the health unit of the board of health that has made application for the grant have undertaken to pay the balance of the approved cost of the building project in such proportions as are agreed upon by the municipalities;

(c) the building project has been approved by the Minister;

(d) tenders are not called for any proposed new construction, additions or alterations until the Minister advises in writing that the grant has been approved; and

(e) the board of health undertakes it will not,

(i) sell, mortgage or otherwise dispose of a building or any part thereof that is the subject of the grant,

(ii) use a building for any other purpose than that for which the grant with respect to the building is made, or

(iii) make any alterations or additions to a building that is the subject of the grant,

without the consent of the Minister. O. Reg. 234/84, s. 3.

4.—(1) A grant shall be paid as follows:

1. One-fifth when the contract for the building project is signed.

2. One-tenth when one-eighth of the work is completed.

3. One-tenth when one-quarter of the work is completed.

4. One-tenth when three-eighths of the work is completed.

5. One-tenth when one-half of the work is completed.

6. One-tenth when five-eighths of the work is completed.

7. One-tenth when three-quarters of the work is completed.

8. One-tenth when seven-eighths of the work is completed.

9. The balance when the work is completed to the satisfaction of the Minister.

(2) It is a condition of payment of a portion of a grant under subsection (1) that a member of the Ontario Association of Architects certifies or the Minister is otherwise satisfied that the proper proportion of the work has been completed. O. Reg. 234/84, s. 4.

5. Regulation 835 of Revised Regulations of Ontario, 1980 is revoked.

6. This Regulation comes into force on the day that section 95 of the *Health Protection and Promotion Act, 1983* is proclaimed in force.

(4577)

17

HEALTH PROTECTION AND
PROMOTION ACT, 1983

O. Reg. 235/84.
Designation of Municipal Members of Boards of Health.
Made—April 13th, 1984.
Filed—April 13th, 1984.

REGULATION MADE UNDER THE
HEALTH PROTECTION AND
PROMOTION ACT, 1983

DESIGNATION OF MUNICIPAL MEMBERS
OF BOARDS OF HEALTH

ALGOMA HEALTH UNIT

1. The Board of Health of the Algoma Health Unit shall have eight municipal members as follows:

1. Three members to be appointed by the Municipal Council of the City of Sault Ste. Marie.

2. One member to be appointed by the Municipal Councils of the Township of Michipicoten and Township of White River, who shall also represent the Michipicoten Indian Reserve Band.

3. One member to be appointed by the Municipal Councils of the Town of Blind River, the Township of Thompson and the Township of North Shore.

4. One member to be appointed by the Municipal Councils of the Town of Thessalon, the Village of Iron Bridge, and the townships of Day and Bright Additional and Thessalon.

5. One member to be appointed by the Municipal Councils of the Town of Bruce Mines, the Village of Hilton Beach and the townships of Hilton, Jocelyn, Johnson, Laird, Macdonald, Meredith and Aberdeen Additional, Plummer Additional, Prince, St. Joseph and Tarbutt and Tarbutt Additional.

6. One member to be appointed by the Municipal Council of the Town of Elliot Lake.
- O. Reg. 235/84, s. 1.

BRANT COUNTY HEALTH UNIT

2. The Board of Health of the Brant County Health Unit shall have six municipal members as follows:

1. Three members to be appointed by the Municipal Council of the County of Brant.

2. Three members to be appointed by the Municipal Council of the City of Brantford.
- O. Reg. 235/84, s. 2.

BRUCE COUNTY HEALTH UNIT

3. The Board of Health of the Bruce County Health Unit shall have four municipal members to be appointed by the Municipal Council of the County of Bruce. O. Reg. 235/84, s. 3.

BOROUGH OF EAST YORK HEALTH UNIT

4. The Board of Health of the Borough of East York Health Unit shall have six municipal members to be appointed by the Municipal Council of the Borough of East York. O. Reg. 235/84, s. 4.

THE EASTERN ONTARIO HEALTH UNIT

5. The Board of Health of the Eastern Ontario Health Unit shall have six municipal members as follows:

1. Two members to be appointed by the Municipal Council of the United Counties of Prescott and Russell.

2. Two members to be appointed by the Municipal Council of the United Counties of Stormont, Dundas and Glengarry.

3. Two members to be appointed by the Municipal Council of the City of Cornwall.
- O. Reg. 235/84, s. 5.

ELGIN-ST. THOMAS HEALTH UNIT

6. The Board of Health of the Elgin-St. Thomas Health Unit shall have four municipal members as follows:

1. Two members to be appointed by the Municipal Council of the County of Elgin.
2. Two members to be appointed by the Municipal Council of the City of St. Thomas. O. Reg. 235/84, s. 6.

CITY OF ETOBICOKE HEALTH UNIT

7. The Board of Health of the City of Etobicoke Health Unit shall have nine municipal members to be appointed by the Council of the City of Etobicoke. O. Reg. 235/84, s. 7.

COUNTY OF GREY-OWEN SOUND HEALTH UNIT

8. The Board of Health of the County of Grey-Owen Sound Health Unit shall have six municipal members as follows:

1. Four members to be appointed by the Municipal Council of the County of Grey.
2. Two members to be appointed by the Municipal Council of the City of Owen Sound. O. Reg. 235/84, s. 8.

HALIBURTON, KAWARTHA, PINE RIDGE DISTRICT HEALTH UNIT

9. The Board of Health of the Haliburton, Kawartha, Pine Ridge District Health Unit shall have six municipal members as follows:

1. Three members to be appointed by the Municipal Council of the County of Northumberland.
2. Two members to be appointed by the Municipal Council of the County of Victoria.
3. One member to be appointed by the Municipal Council of the County of Haliburton. O. Reg. 235/84, s. 9.

HASTINGS AND PRINCE EDWARD COUNTIES HEALTH UNIT

10. The Board of Health of the Hastings and Prince Edward Counties Health Unit shall have eight municipal members as follows:

1. Two members to be appointed by the Municipal Council of the City of Belleville.
2. Three members to be appointed by the Municipal Council of the County of Hastings.

3. Two members to be appointed by the Municipal Council of the County of Prince Edward.

4. One member to be appointed by the Municipal Council of the Town of Trenton. O. Reg. 235/84, s. 10.

HURON COUNTY HEALTH UNIT

11. The Board of Health of the Huron County Health Unit shall have four municipal members to be appointed by the Municipal Council of the County of Huron. O. Reg. 235/84, s. 11.

KENT-CHATHAM HEALTH UNIT

12. The Board of Health of the Kent-Chatham Health Unit shall have six municipal members as follows:

1. Four members to be appointed by the Municipal Council of the County of Kent.
2. Two members to be appointed by the Municipal Council of the City of Chatham. O. Reg. 235/84, s. 12.

KINGSTON, FRONTENAC AND LENNOX AND ADDINGTON HEALTH UNIT

13. The Board of Health of the Kingston, Frontenac and Lennox and Addington Health Unit shall have nine municipal members as follows:

1. Four members to be appointed by the Municipal Council of the City of Kingston.
2. Three members to be appointed by the Municipal Council of the County of Frontenac.
3. Two members to be appointed by the Municipal Council of the County of Lennox and Addington. O. Reg. 235/84, s. 13.

LAMBTON HEALTH UNIT

14. The Board of Health of Lambton Health Unit shall have six municipal members as follows:

1. Three members to be appointed by the Municipal Council of the County of Lambton.
2. Three members to be appointed by the Municipal Council of the City of Sarnia. O. Reg. 235/84, s. 14.

LEEDS, GRENVILLE AND LANARK DISTRICT HEALTH UNIT

15. The Board of Health of the Leeds, Grenville and Lanark District Health Unit shall have ten municipal members as follows:

1. Three members to be appointed by the Municipal Council of the United Counties of Leeds and Grenville.
2. Two members to be appointed by the Municipal Council of the City of Brockville.
3. One member to be appointed by the Municipal Council of the Town of Gananoque.
4. One member to be appointed by the Municipal Council of the Town of Prescott.
5. One member to be appointed by the Municipal Council of the Town of Smiths Falls.
6. Two members to be appointed by the Municipal Council of the County of Lanark. O. Reg. 235/84, s. 15.

MIDDLESEX-LONDON DISTRICT HEALTH UNIT

16. The Board of Health of the Middlesex-London District Health Unit shall have six municipal members as follows:

1. Three members to be appointed by the County Council of the County of Middlesex.
2. Three members to be appointed by the Municipal Council of the City of London. O. Reg. 235/84, s. 16.

MUSKOKA-PARRY SOUND HEALTH UNIT

17. The Board of Health of Muskoka-Parry Sound Health Unit shall have ten municipal members as follows:

1. Six members to be appointed by the District Council of the District of Muskoka as set out in section 57 of the *District Municipality of Muskoka Act*.
2. One member to be appointed jointly by the Municipal Council of the Village of Rosseau, the Municipal Councils of the townships of Humphrey and Christie and the Municipal Township of Foley and the Corporation of the Township of The Archipelago.
3. One member to be appointed jointly by the Municipal Council of the Town of Parry Sound, the Municipal Councils of the municipal townships of McDougall, Carling, Hagerman and McKellar.
4. One member to be appointed by the Municipal Councils of the townships of Armour, Ryerson, Perry, McMurrich, the Municipal Council of the Village of Burk's Falls and the Municipal Council of the Town of Kearney.
5. One member to be appointed by the Municipal Councils of the villages of Magnetewan

and Sundridge, and the Municipal Councils of the municipal townships of Chapman, Joly and Strong. O. Reg. 235/84, s. 17.

NORTH BAY AND DISTRICT HEALTH UNIT

18. The Board of Health for the North Bay and District Health Unit shall have ten municipal members as follows:

1. Seven members to be appointed by the Municipal Council of the City of North Bay.
2. One member to be appointed by the Municipal Councils of the towns of Bonfield and Mattawa, the Municipal Councils of the townships of Bonfield, Calvin, East Ferris, Mattawan and Papineau, and the trustees of the Improvement District of Cameron.
3. One member to be appointed by the Municipal Councils of the towns of Cache Bay and Sturgeon Falls and the Municipal Councils of the townships of Caldwell, Field and Springer.
4. One member to be appointed by the Municipal Councils of the towns of Powassan and Trout Creek, the Municipal Council of the Village of South River, and the Municipal Councils of the townships of Chisholm, North Himsworth, South Himsworth, Machar and Nipissing. O. Reg. 235/84, s. 18.

NORTHWESTERN HEALTH UNIT

19. The Board of Health of the Northwestern Health Unit shall have seven municipal members as follows:

1. One member to be appointed by the Municipal Council of the Town of Kenora who shall also represent the Improvement District of Sioux Narrows.
2. One member to be appointed jointly by the Municipal Councils of the Town of Keewatin and the Township of Jaffray and Melick.
3. One member to be appointed jointly by the Municipal Councils of the towns of Dryden and Sioux Lookout and of the townships of Machin and Ignace and Barclay.
4. One member to be appointed jointly by the Board of Trustees of the Improvement District of Balmertown, the Municipal Councils of the townships of Red Lake and Ear Falls.
5. One member to be appointed by the Municipal Council of the Town of Fort Frances.
6. One member to be appointed by the Municipal Council of the Township of Atikokan.

7. One member to be appointed jointly by the Municipal Council of the Town of Rainy River, the Municipal Councils of the townships of Atwood, Alberton, Blue, Chapple, Dilke, Emo, Lavallee, Morley and Patullo, Morson, Worthington, McCrosson and Tovell, and the Board of Trustees of the Improvement District of Kingsford. O. Reg. 235/84, s. 19.

CITY OF NORTH YORK HEALTH UNIT

20. The Board of Health of the City of North York Health Unit shall have eight municipal members to be appointed by the Municipal Council of the City of North York. O. Reg. 235/84, s. 20.

PERTH DISTRICT HEALTH UNIT

21. The Board of Health of the Perth District Health Unit shall have six municipal members as follows:

1. Three members to be appointed by the Municipal Council of the County of Perth.
2. Two members to be appointed by the Municipal Council of the City of Stratford.
3. One member to be appointed by the Municipal Council of the Town of St. Mary's. O. Reg. 235/84, s. 21.

PETERBOROUGH COUNTY—CITY
HEALTH UNIT

22. The Board of Health of the Peterborough County—City Health Unit shall have six municipal members as follows:

1. Three members to be appointed by the Municipal Council of the County of Peterborough, one of whom shall represent the Curve Lake Indian Reserve and the Hiawatha Indian Reserve.
2. Three members to be appointed by the Municipal Council of the City of Peterborough. O. Reg. 235/84, s. 22.

PORCUPINE HEALTH UNIT

23. The Board of Health of the Porcupine Health Unit shall have eleven municipal members as follows:

1. Four members to be appointed by the Municipal Council of the City of Timmins.
2. One member to be appointed by the Municipal Council of the Town of Iroquois Falls.
3. One member to be appointed by the Municipal Council of the Municipal Township of Black River-Matheson.

4. One member to be appointed by the Municipal Council of the Town of Smooth Rock Falls.

5. One member to be appointed by the Municipal Council of the Town of Kapuskasing and the Municipal Councils of the townships of Moonbeam, Shackleton and Machin, Owens, Williamson and Idington and the Township of Opasatika.

6. One member to be appointed by the Municipal Council of the Town of Cochrane and the Municipal Council of the Municipal Township of Glackmeyer.

7. One member to be appointed by the Municipal Council of the Town of Hearst and the Municipal Council of the townships of Eilber and Devitt.

8. One member to be appointed by the Municipal Council of the Township of Wicksteed. O. Reg. 235/84, s. 23.

RENFREW COUNTY AND DISTRICT HEALTH UNIT

24. The Board of Health of the Renfrew County and District Health Unit shall have six municipal members as follows:

1. Four members to be appointed by the Municipal Council of the County of Renfrew.
2. One member to be appointed by the Municipal Council of the Township of Airy.
3. One member to be appointed by the Municipal Council of the City of Pembroke. O. Reg. 235/84, s. 24.

CITY OF SCARBOROUGH HEALTH UNIT

25. The Board of Health of the City of Scarborough Health Unit shall have seven municipal members to be appointed by the Municipal Council of the City of Scarborough. O. Reg. 235/84, s. 25.

SIMCOE COUNTY DISTRICT HEALTH UNIT

26. The Board of Health of the Simcoe County District Health Unit shall have six municipal members as follows:

1. Four members to be appointed by the Municipal Council of the County of Simcoe, one of whom shall represent The Beausoleil Indian Band on Christian Island.
2. One member to be appointed by the Municipal Council of the City of Barrie.

3. One member to be appointed by the Municipal Council of the City of Orillia who shall also represent the Chippewas of Rama Indian Band Rama Reserve Number 32. O. Reg. 235/84, s. 26.

SUDBURY AND DISTRICT HEALTH UNIT

27. The Board of Health of the Sudbury and District Health Unit shall have eleven municipal members as follows:

1. Seven members appointed by the Council of The Regional Municipality of Sudbury who are also members of the Regional Council.
2. One member to be appointed by the Municipal Councils of the towns of Gore Bay and Little Current, and the Municipal Councils of the townships of Assiginack, Barrie Island, Billings, Burpee, Carnarvon, Cockburn Island, Gordon, Howland, Rutherford and George Island, Sandfield and Tehkummah.
3. One member to be appointed by the Municipal Council of the Town of Espanola, the Municipal Council of the Town of Webbwood, the Municipal Council of the Town of Massey and the Municipal Council of the Township of The Spanish River and the Municipal Councils of the townships of Baldwin and Nairn.
4. One member to be appointed by the Municipal Council of the Township of Hagar and the Municipal Councils of the townships of Casimir, Jennings and Appleby, Ratter and Dunnet, and Cosby, Mason and Martland.
5. One member to be appointed by the Municipal Council of the Township of Chapleau. O. Reg. 235/84, s. 27.

THUNDER BAY DISTRICT HEALTH UNIT

28. The Board of Health of the Thunder Bay District Health Unit shall have twelve municipal members as follows:

1. Three members to be appointed by the Municipal Council of the City of Thunder Bay, one of whom will represent the Band of the Fort William Indian Reserve.
2. One member to be appointed by the Municipal Council of the Township of Neebing.
3. One member to be appointed by the Municipal Council of the Township of Shuniah.
4. One member to be appointed by the Municipal Council of the Township of Paipoonge.
5. One member to be appointed by the Municipal Councils of the townships of Oliver and Gillies.
6. One member to be appointed by the Municipal Councils of the townships of Commee and O'Connor.
7. One member to be appointed by the Municipal Councils of the townships of Dorion, Nipigon and Red Rock.
8. One member to be appointed by the Municipal Councils of the Town of Longlac, the Town of Geraldton and the Township of Beardmore and the Township of Nakina, which member shall also represent the Rocky Bay Indian Band Number 1.
9. One member to be appointed by the Municipal Councils of the townships of Terrace Bay and Schreiber.
10. One member to be appointed by the Board of Trustees of the Township of Manitouwadge and the Municipal Council of the Township of Marathon. O. Reg. 235/84, s. 28.

TIMISKAMING HEALTH UNIT

29. The Board of Health of the Timiskaming Health Unit shall have ten municipal members as follows:

1. One member to be appointed by the Municipal Council of the Town of Cobalt, the Municipal Council of the Township of Coleman, the Municipal Council of the Town of Latchford and the Municipal Council of the Township of Temagami.
2. One member to be appointed by the Municipal Council of the Town of Haileybury.
3. One member to be appointed by the Municipal Council of the Town of New Liskeard.
4. One member to be appointed by the Municipal Councils of the Municipal Township of Larder Lake and the Improvement District of Gauthier.
5. One member to be appointed by the Municipal Councils of the townships of Brethour, Casey, Dymond, Harley and Harris, and the Municipal Council of the Village of Thornloe.
6. One member to be appointed by the Municipal Councils of the townships of Armstrong, Hudson, James and Kearns.
7. Two members to be appointed by the Municipal Council of the Township of Kirkland Lake.

8. One member to be appointed by the Municipal Council of the Township of McGarry.
9. One member to be appointed by the Municipal Council of the Town of Charlton, the Municipal Council of the Town of Englehart, the Municipal Council of the Township of Chamberlain, the Municipal Council of the Township of Evanturel, the Municipal Council of the Township of Hilliard and the Municipal Council of the Township of Dack. O. Reg. 235/84, s. 29.

CITY OF TORONTO HEALTH UNIT

30. The Board of Health of the City of Toronto Health Unit shall have thirteen municipal members to be appointed by the Municipal Council of the City of Toronto. O. Reg. 235/84, s. 30.

WELLINGTON-DUFFERIN-GUELPH HEALTH UNIT

31. The Board of Health of the Wellington-Dufferin-Guelph Health Unit shall have eight municipal members as follows:

1. Three members to be appointed by the Municipal Council of the County of Wellington.
2. Two members to be appointed by the Municipal Council of the County of Dufferin.
3. Three members to be appointed by the Municipal Council of the City of Guelph. O. Reg. 235/84, s. 31.

METRO WINDSOR-ESSEX COUNTY HEALTH UNIT

32. The Board of Health of the Metro Windsor-Essex County Health Unit shall have eight municipal members as follows:

1. Four members to be appointed by the Municipal Council of the City of Windsor.
2. Four members to be appointed by the Municipal Council of the County of Essex, one of whom shall represent the separated Township of Pelee. O. Reg. 235/84, s. 32.

CITY OF YORK HEALTH UNIT

33. The Board of Health of the City of York shall have nine municipal members to be appointed by the Municipal Council of the City of York. O. Reg. 235/84, s. 33.

34. Regulation 843 of Revised Regulations of Ontario, 1980, and Ontario Regulations 130/81, 394/81, 747/81, 560/82, 712/82 and 587/83 are revoked.

35. This Regulation comes into force on the day that section 95 of the *Health Protection and Promotion Act, 1983* is proclaimed in force.

(4578)

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HEALTH PROTECTION AND PROMOTION ACT, 1983

O. Reg. 236/84.

Areas Comprising Health Units.

Made—April 13th, 1984.

Filed—April 13th, 1984.

REGULATION MADE UNDER THE HEALTH PROTECTION AND PROMOTION ACT, 1983

AREAS COMPRISING HEALTH UNITS

1. Each of the areas in the following Schedules is designated as a health unit and the name at the heading of the Schedule is prescribed to be the name of the health unit:

Schedule 1

THE DISTRICT OF ALGOMA HEALTH UNIT

1. All municipalities, geographic townships and other lands in the Territorial District of Algoma, except the Township of Wicksteed and the following geographic townships:

- | | |
|--------------|----------------|
| 1. Abbott | 20. Haig |
| 2. Alderson | 21. Hiawatha |
| 3. Arnott | 22. Larkin |
| 4. Bourinot | 23. Lascelles |
| 5. Chelsea | 24. Lessard |
| 6. Cholette | 25. McEwing |
| 7. Cross | 26. McFarlan |
| 8. Doherty | 27. Mercer |
| 9. Downer | 28. Nagagami |
| 10. Dowsley | 29. Newlands |
| 11. Drew | 30. Opasatika |
| 12. Ebbs | 31. Pelletier |
| 13. Elgie | 32. Roche |
| 14. Farquhar | 33. Shanly |
| 15. Flanders | 34. Scholfield |
| 16. Foch | 35. Talbott |
| 17. Frances | 36. Templeton |
| 18. Franz | 37. Woolrich |
| 19. Frost | |

O. Reg. 236/84, s. 1, *part.*

Schedule 2

BRANT COUNTY HEALTH UNIT

1. The County of Brant. O. Reg. 236/84, s. 1, *part.*

Schedule 3

BRUCE COUNTY HEALTH UNIT

1. The County of Bruce. O. Reg. 236/84, s. 1, *part.*

Schedule 4

DURHAM REGIONAL HEALTH UNIT

1. The Regional Municipality of Durham.
O. Reg. 236/84, s. 1, *part.*

Schedule 5

THE EASTERN ONTARIO HEALTH UNIT

1. The counties of Dundas, Glengarry, Prescott, Russell and Stormont. O. Reg. 236/84, s. 1, *part.*

Schedule 6

BOROUGH OF EAST YORK HEALTH UNIT

1. The Borough of East York. O. Reg. 236/84, s. 1, *part.*

Schedule 7

ELGIN—ST. THOMAS HEALTH UNIT

1. The County of Elgin. O. Reg. 236/84, s. 1, *part.*

Schedule 8

CITY OF ETOBICOKE HEALTH UNIT

1. The City of Etobicoke. O. Reg. 236/84, s. 1, *part.*

Schedule 9

COUNTY OF GREY—OWEN SOUND HEALTH UNIT

1. The County of Grey. O. Reg. 236/84, s. 1, *part.*

Schedule 10

HALDIMAND-NORFOLK REGIONAL HEALTH UNIT

1. The Regional Municipality of Haldimand-Norfolk. O. Reg. 236/84, s. 1, *part.*

Schedule 11

HALIBURTON, KAWARTHA, PINE RIDGE DISTRICT HEALTH UNIT

1. All the municipalities in the County of Haliburton, the County of Northumberland and the County of Victoria. O. Reg. 236/84, s. 1, *part.*

Schedule 12

HALTON REGIONAL HEALTH UNIT

1. The Regional Municipality of Halton. O. Reg. 236/84, s. 1, *part.*

Schedule 13

HAMILTON-WENTWORTH REGIONAL HEALTH UNIT

1. The Regional Municipality of Hamilton-Wentworth. O. Reg. 236/84, s. 1, *part.*

Schedule 14

HASTINGS AND PRINCE EDWARD COUNTIES HEALTH UNIT

1. The counties of Hastings and Prince Edward. O. Reg. 236/84, s. 1, *part.*

Schedule 15

HURON COUNTY HEALTH UNIT

1. The County of Huron. O. Reg. 236/84, s. 1, *part.*

Schedule 16

KENT—CHATHAM HEALTH UNIT

1. The County of Kent. O. Reg. 236/84, s. 1, *part.*

Schedule 17

WATERLOO HEALTH UNIT

1. The Regional Municipality of Waterloo.
O. Reg. 236/84, s. 1, *part.*

Schedule 18

KINGSTON, FRONTENAC AND LENNOX AND ADDINGTON HEALTH UNIT

1. The counties of Frontenac and Lennox and Addington. O. Reg. 236/84, s. 1, *part.*

Schedule 19

LAMBTON HEALTH UNIT

1. The County of Lambton. O. Reg. 236/84, s. 1, *part.*

Schedule 20

LEEDS, GRENVILLE AND LANARK DISTRICT HEALTH UNIT

1. The counties of Lanark, Leeds and Grenville. O. Reg. 236/84, s. 1, *part.*

Schedule 21

MIDDLESEX—LONDON DISTRICT HEALTH UNIT

1. The County of Middlesex. O. Reg. 236/84, s. 1, *part*.

Schedule 22

MUSKOKA—PARRY SOUND HEALTH UNIT

1. All the municipalities in the District Municipality of Muskoka.

2. All municipalities, geographic townships and other lands in the Territorial District of Parry Sound except the Village of South River, the towns of Powassan and Trout Creek, and the townships of North Himsworth, South Himsworth, Machar and Nipissing, and the following geographic townships:

- | | |
|-------------|---------------|
| 1. Gurd | 6. East Mills |
| 2. Hardy | 7. Patterson |
| 3. Laurier | 8. Pringle |
| 4. Lount | 9. Wilson |
| 5. McConkey | |

O. Reg. 236/84, s. 1, *part*.

Schedule 23

NIAGARA REGIONAL AREA HEALTH UNIT

1. The Regional Municipality of Niagara. O. Reg. 236/84, s. 1, *part*.

Schedule 24

NORTH BAY AND DISTRICT HEALTH UNIT

1. All municipalities, geographic townships and other lands in the Territorial District of Nipissing except:

1. The townships of Airy and Temagami.

2. The following geographic townships:

- | | |
|---------------|--------------------|
| i. Askin | xvi. Latchford |
| ii. Aston | xvii. Law |
| iii. Banting | xviii. Le Roche |
| iv. Belfast | xix. Lyell |
| v. Bertram | xx. Milne |
| vi. Best | xxi. Murchison |
| vii. Briggs | xxii. Olive |
| viii. Canton | xxiii. Paxton |
| ix. Cassels | xxiv. Phyllis |
| x. Chambers | xxv. Riddell |
| xi. Clement | xxvi. Sabine |
| xii. Cynthia | xxvii. Scholes |
| xiii. Dickens | xxviii. Torrington |
| xiv. Falconer | xxix. Vogt |
| xv. Joan | xxx. Yates |

3. The geographic townships or parts thereof in Algonquin Park except the geographic township of Pentland.

2. The following municipalities in the Territorial District of Parry Sound:

1. The Village of South River.
2. The towns of Powassan and Trout Creek.
3. The townships of North Himsworth, South Himsworth, Machar and Nipissing.

3. The following geographic townships in the Territorial District of Parry Sound:

- | | |
|-------------|---------------|
| 1. Gurd | 6. East Mills |
| 2. Hardy | 7. Patterson |
| 3. Laurier | 8. Pringle |
| 4. Lount | 9. Wilson |
| 5. McConkey | |

O. Reg. 236/84, s. 1, *part*.

Schedule 25

NORTHWESTERN HEALTH UNIT

1. All municipalities, geographic townships and other lands in the Territorial District of Rainy River and those parts of the territorial districts of Kenora and Thunder Bay described as follows:

Beginning at the southeast corner of the Territorial District of Kenora; thence northerly along the boundary between the territorial districts of Kenora and Thunder Bay to the intersection with the parallel of latitude 50° 00'; thence easterly along that parallel of latitude to the intersection with a meridian line surveyed by K. G. Ross, Ontario Land Surveyor, in 1921; thence northerly along that meridian line to the southeast corner of the geographic Township of Bertrand; thence continuing northerly along the east boundary of the geographic townships of Bertrand, McLaurin, Furlonge, Fletcher and Bulmer to the northeast corner of the said Township of Bulmer; thence continuing northerly along a meridian line surveyed by Phillips and Benner, Ontario Land Surveyors, in 1923, to the northerly boundary of the Territorial District of Thunder Bay; thence northeasterly along that boundary to the intersection with line of longitude 89° 30'; thence north astronomically along that line of longitude to the intersection with the parallel of latitude 52° 30'; thence westerly along that parallel of latitude to the intersection with a meridian line surveyed by A. Tarvydas, Ontario Land Surveyor, in 1957; thence northerly along that meridian line to the 215 + 78.207 Mile Post planted thereon; thence north astronomically to the Interprovincial Boundary between Ontario and Manitoba; thence southwesterly and southerly along that Interprovincial Boundary to the International Boundary between Canada and the United States of America; thence southeasterly along that International Boundary to the southerly boundary of the Territorial

District of Kenora; thence easterly along that boundary to the place of beginning. O. Reg. 236/84, s. 1, *part.*

Schedule 26

NORTH YORK HEALTH UNIT

1. The City of North York. O. Reg. 236/84, s. 1, *part.*

Schedule 27

OTTAWA-CARLETON REGIONAL HEALTH UNIT

1. The Regional Municipality of Ottawa-Carleton. O. Reg. 236/84, s. 1, *part.*

Schedule 28

OXFORD COUNTY HEALTH UNIT

1. The County of Oxford. O. Reg. 236/84, s. 1, *part.*

Schedule 29

PEEL REGIONAL HEALTH UNIT

1. The Regional Municipality of Peel. O. Reg. 236/84, s. 1, *part.*

Schedule 30

PERTH DISTRICT HEALTH UNIT

1. The County of Perth. O. Reg. 236/84, s. 1, *part.*

Schedule 31

PETERBOROUGH COUNTY—CITY HEALTH UNIT

1. The County of Peterborough. O. Reg. 236/84, s. 1, *part.*

Schedule 32

PORCUPINE HEALTH UNIT

1. Those parts of the territorial districts of Cochrane and Kenora, described as follows, except the geographic townships of Ben Nevis, Bisley, Clifford and Pontiac:

Beginning at the southeast corner of the geographic Township of Pontiac being also a point on the Interprovincial Boundary between Ontario and Quebec;

thence westerly along the boundary between the territorial districts of Cochrane and Timiskaming to the southwest corner of the geographic Township of Keefer; thence northerly and westerly along the boundary between the territorial districts of Cochrane and Sudbury to the southwest corner of the geographic Township of Ossin; thence northerly, westerly, northerly, westerly, northerly and westerly along the boundary between the territorial districts of Cochrane and Algoma to the southwest corner of the geographic Township of Clavet; thence northerly, westerly and northerly along the boundary between the territorial districts of Cochrane and Thunder Bay to the southerly boundary of the Territorial District of Kenora; thence continuing northerly along a meridian line to the 212 Mile Post planted thereon by A. Tarvydas, Ontario Land Surveyor, in 1958; thence north astronomically to the intersection with the parallel of latitude 55° 00'; thence westerly along the 55th parallel of latitude to the intersection with the line of longitude 87° 00'; thence north astronomically along that line of longitude to the shore of Hudson Bay; thence southeasterly, southerly, southeasterly and northeasterly along the shore of Hudson Bay and James Bay to the Interprovincial Boundary between Ontario and Quebec; thence southerly along that Interprovincial Boundary to the place of beginning.

2. The Township of Wicksteed and the following geographic townships in the Territorial District of Algoma:

- | | |
|--------------|----------------|
| 1. Abbott | 20. Haig |
| 2. Alderson | 21. Hiawatha |
| 3. Arnott | 22. Larkin |
| 4. Bourinot | 23. Lascelles |
| 5. Chelsea | 24. Lessard |
| 6. Cholette | 25. McEwing |
| 7. Cross | 26. McFarlan |
| 8. Doherty | 27. Mercer |
| 9. Downer | 28. Nagagami |
| 10. Dowsley | 29. Newlands |
| 11. Drew | 30. Opasatika |
| 12. Ebbs | 31. Pelletier |
| 13. Elgie | 32. Roche |
| 14. Farquhar | 33. Shanly |
| 15. Flanders | 34. Scholfield |
| 16. Foch | 35. Talbott |
| 17. Frances | 36. Templeton |
| 18. Franz | 37. Woolrich |
| 19. Frost | |

3. The following geographic townships in the Territorial District of Timiskaming:

- | | |
|----------------|--------------|
| 1. Bartlett | 7. Hillary |
| 2. Childerhose | 8. McArthur |
| 3. Douglas | 9. McKeown |
| 4. Doyle | 10. Musgrove |
| 5. Fripp | 11. Pharand |
| 6. Geikie | 12. Reynolds |

O. Reg. 236/84, s. 1, *part.*

Schedule 33

RENFREW COUNTY AND DISTRICT
HEALTH UNIT

1. All the municipalities in the County of Renfrew.
2. The Township of Airy in the Territorial District of Nipissing.
3. The following geographic townships in the Territorial District of Nipissing:

Dickens	Murchison
Lyell	Paxton
	Sabine

4. All the geographic townships or parts thereof in Algonquin Park except the geographic township of Pentland. O. Reg. 236/84, s. 1, *part*.

Schedule 34

CITY OF SCARBOROUGH HEALTH UNIT

1. The City of Scarborough. O. Reg. 236/84, s. 1, *part*.

Schedule 35

SIMCOE COUNTY DISTRICT HEALTH UNIT

1. The County of Simcoe. O. Reg. 236/84, s. 1, *part*.

Schedule 36

SUDBURY AND DISTRICT HEALTH UNIT

1. All the municipalities and geographic townships in the Territorial District of Sudbury.
2. All municipalities, geographic townships and other lands in the Territorial District of Manitoulin.
3. The geographic townships of Bertram, Falconer and Latchford, in the Territorial District of Nipissing. O. Reg. 236/84, s. 1, *part*.

Schedule 37

CITY OF TORONTO HEALTH UNIT

1. The City of Toronto. O. Reg. 236/84, s. 1, *part*.

Schedule 38

THUNDER BAY DISTRICT HEALTH UNIT

1. Those parts of the territorial districts of Thunder Bay and Kenora described as follows:

Beginning at the intersection of the line of longitude of 87° 00' with the parallel of latitude of 55° 00'; thence easterly along that parallel of latitude to the inter-

section with a line drawn on a course of north astronomically from the 212 Mile Post planted by A. Tarvydas, Ontario Land Surveyor, in 1958, on a meridian in the Territorial District of Kenora; thence south astronomically along that line to the 212 Mile Post on said meridian line; thence southerly along that meridian to the northerly extremity of the boundary between the territorial districts of Cochrane and Thunder Bay; thence southerly, easterly and southerly along the boundary between the territorial districts of Cochrane and Thunder Bay to the southwest corner of the geographic Township of Clavet; thence southerly along the boundary between the territorial districts of Algoma and Thunder Bay to the International Boundary between Canada and the United States of America; thence northwesterly, southwesterly and westerly along that International Boundary to the boundary between the territorial districts of Rainy River and Thunder Bay; thence northerly along that boundary and the boundary between the territorial districts of Kenora and Thunder Bay to the intersection with the parallel of latitude 50° 00'; thence easterly along that parallel of latitude to the intersection with the meridian line surveyed by K. G. Ross, Ontario Land Surveyor, in 1921; thence northerly along that meridian line to the southeast corner of the geographic Township of Bertrand; thence continuing northerly along the east boundary of the geographic townships of Bertrand, McLaurin, Furlonge, Fletcher and Bulmer to the northeast corner of the said Township of Bulmer; thence continuing northerly along a meridian line surveyed by Phillips and Benner, Ontario Land Surveyors, in 1923, to the northerly boundary of the Territorial District of Thunder Bay; thence northeasterly along that boundary to the intersection with the line of longitude 89° 30'; thence north astronomically along that line of longitude to the intersection with the parallel of latitude 52° 30'; thence westerly along that parallel of latitude to the intersection with a meridian line surveyed by A. Tarvydas, Ontario Land Surveyor, in 1957; thence northerly along that meridian line to the 215 + 78.207 Mile Post planted thereon; thence north astronomically to the Interprovincial Boundary between Ontario and Manitoba; thence northeasterly along that Interprovincial Boundary to the shore of Hudson Bay; thence southeasterly along that shore to the intersection with a line drawn on a course of north astronomically from the place of beginning; thence south astronomically along that line to the place of beginning. O. Reg. 236/84, s. 1, *part*.

Schedule 39

TIMISKAMING HEALTH UNIT

1. All the municipalities and geographic townships in the Territorial District of Timiskaming, except the following geographic townships:

1. Bartlett	7. Hillary
2. Childerhose	8. McArthur
3. Douglas	9. McKeown
4. Doyle	10. Musgrove
5. Fripp	11. Pharand
6. Geikie	12. Reynolds

2. The following geographic townships in the Territorial District of Cochrane:

- | | |
|--------------|-------------|
| 1. Ben Nevis | 3. Clifford |
| 2. Bisley | 4. Pontiac |

3. The Township of Temagami in the Territorial District of Nipissing.

4. The following geographic townships in the Territorial District of Nipissing:

- | | |
|-------------|----------------|
| 1. Askin | 12. Joan |
| 2. Aston | 13. Law |
| 3. Banting | 14. Le Roche |
| 4. Belfast | 15. Milne |
| 5. Best | 16. Olive |
| 6. Briggs | 17. Phyllis |
| 7. Canton | 18. Riddell |
| 8. Cassels | 19. Scholes |
| 9. Chambers | 20. Torrington |
| 10. Clement | 21. Vogt |
| 11. Cynthia | 22. Yates |

O. Reg. 236/84, s. 1, *part.*

Schedule 40

WELLINGTON—DUFFERIN—GUELPH HEALTH UNIT

1. The counties of Wellington and Dufferin.
O. Reg. 236/84, s. 1, *part.*

Schedule 41

METRO WINDSOR—ESSEX COUNTY HEALTH UNIT

1. The County of Essex. O. Reg. 236/84, s. 1, *part.*

Schedule 42

CITY OF YORK HEALTH UNIT

1. The City of York. O. Reg. 236/84, s. 1, *part.*

Schedule 43

YORK REGIONAL HEALTH UNIT

1. The Regional Municipality of York. O. Reg. 236/84, s. 1, *part.*

2. Regulation 842 of Revised Regulations of Ontario, 1980 is revoked.

3. This Regulation comes into force on the day that section 95 of the *Health Protection and Promotion Act, 1983* is proclaimed in force.

HEALTH PROTECTION AND PROMOTION ACT, 1983

O. Reg. 237/84.

Clinics for Sexually Transmitted Diseases.

Made—April 13th, 1984.

Filed—April 13th, 1984.

REGULATION MADE UNDER THE HEALTH PROTECTION AND PROMOTION ACT, 1983

CLINICS FOR SEXUALLY TRANSMITTED DISEASES

1. In this Regulation,

- (a) “clinic” means a clinic established, equipped, operated and maintained by a board of health or a hospital in accordance with this Regulation for the treatment of persons who have or who are suspected of having syphilis, gonorrhoea, chancroid, granuloma inguinale, genital C. trachomatis infections or lymphogranuloma venereum;
- (b) “clinic attendance” means a visit by a person to a clinic for an examination, or for treatment, supervision or follow-up for a sexually transmitted disease;
- (c) “Director” means the Director of Public Health Branch of the Ministry or his successor or any person designated by the Minister to exercise the duties of the Director of the Public Health Branch;
- (d) “hospital” means a hospital under the *Public Hospitals Act*. O. Reg. 237/84, s. 1.

2. It is a condition of a grant made under this Regulation that the board of health or hospital that establishes a clinic for which a grant is applied for,

- (a) appoint a physician, who is approved by the Director, to have charge of the examination, treatment, supervision and follow-up of patients in the clinic;
- (b) appoint a staff of physicians and registered nurses adequate to examine, treat, supervise and give follow-up to all persons who apply for examination, treatment, supervision or follow-up at the clinic;
- (c) permit the Director to inspect,
- (i) patient records, provided that the identity of the patient is not disclosed,
- (ii) clinic records, and
- (iii) equipment in the clinic;

(d) provide the necessary examination, treatment, supervision and follow-up to any person who applies at the clinic and who has or is suspected of having a disease referred to in clause 1 (a); and

(e) not charge for any service rendered during a clinic attendance. O. Reg. 237/84, s. 2.

3. Where a clinic is operated and maintained by a board of health, the board shall be paid a maintenance grant by the Minister of \$11 in respect of each clinic attendance. O. Reg. 237/84, s. 3.

4.—(1) The Minister shall pay a grant for medical services rendered in a clinic by a physician for diagnosis and treatment of a person who has or who is suspected of having a disease referred to in clause 1 (a) and the amount of the grant shall be equal to the amount that would be payable for medical services under the *Health Insurance Act*.

(2) In addition to the amount payable for medical services, a grant referred to in subsection (1) shall also include the cost of drugs used in the care and treatment of the person referred to in subsection (1). O. Reg. 237/84, s. 4.

5. Where the treasurer of a municipality receives an account for medical services rendered by a physician to a person not insured under the *Health Insurance Act*, who has or is suspected of having a disease referred to in clause 1 (a), within three months after the service was performed under the direction of the medical officer of health, the treasurer shall pay the account and forward the account to the Minister within three months after he receives the account and the Minister shall pay a grant to the municipality equal to the amount that would be payable for the medical services as insured health services under the *Health Insurance Act*, and where an account has been similarly received and submitted for drugs used to treat and cure the disease, the grant shall include 100 per cent of the cost of the drugs. O. Reg. 237/84, s. 5.

6. Regulation 941 of Revised Regulations of Ontario, 1980 and Ontario Regulation 499/83 are revoked.

7. This Regulation comes into force on the day that section 95 of the *Health Protection and Promotion Act*, 1983 is proclaimed in force.

(4580)

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NOTICE TO SHERIFFS AND TREASURERS

Re Advertising Sale of Lands for Taxes in "The Ontario Gazette", Year 1984

Section 563 of The Municipal Act provides:

563. **The day of the sale** shall be **more** than ninety-one days after the first publication of the list in THE ONTARIO GAZETTE.

During year 1984 the dates for publication of tax sales advertisements in THE ONTARIO GAZETTE are as follows:

January 7th,	Issue No.	1—Earliest Date	Sale can be held	—April 8th,	1984
February 4th,	" "	6	" " " " " "	—May 6th,	"
March 3rd,	" "	10	" " " " " "	—June 3rd,	"
April 7th,	" "	14	" " " " " "	—July 8th,	"
May 5th,	" "	19	" " " " " "	—August 5th,	"
June 2nd,	" "	23	" " " " " "	—September 2nd,	"
July 7th,	" "	27	" " " " " "	—October 7th,	"
August 4th,	" "	32	" " " " " "	—November 4th,	"
September 1st,	" "	36	" " " " " "	—December 2nd,	"
October 6th,	" "	40	" " " " " "	—January 6th,	1985
November 3rd,	" "	45	" " " " " "	—February 3rd,	"
December 1st,	" "	49	" " " " " "	—March 3rd,	"

Advertisements of tax sales must be received at least **TWO WEEKS PRIOR TO THE DATE OF PUBLICATION IN THE ONTARIO GAZETTE.**

REGULATION MADE UNDER
THE OFFICIAL NOTICES PUBLICATION ACT

THE ONTARIO GAZETTE is published each Saturday and advertisements must be received before Thursday 4 p.m. 9 days before publication date to ensure inclusion in the next issue.

Advertisements should be typewritten or printed legibly, **separate from covering letter.** Number of insertions required must be stated and the names of any signing officers typewritten or printed.

Advertising Rate: \$8.30 per single-column 25mm.

The rates payable for copies of THE ONTARIO GAZETTE are,

by subscribers for a subscription of 52 weekly issues, \$49.60; and

by others for a single copy, \$1.10 Payable in advance.

Rates subject to change without notice.

Cheques should be made payable to THE TREASURER OF ONTARIO and forwarded to THE ONTARIO GAZETTE.

All correspondence should be addressed:

THE ONTARIO GAZETTE

5th Floor, 880 Bay Street, Toronto, Ontario M7A 1N8
Telephone 965-2238

Please notify the Gazette Office of any address changes.

NEW

Ontario Government Publications

La Banque d'Instruments de Mesure de l'Ontario Chimie I 12 ^e Annee au Cycle Superieur	\$15.00
Medical Manpower for Ontario 1983	4.50
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Visual Materials 2 for Use with Ontario Assessment Instrument Pool Geography	10.00
Ontario Assessment Instrument Pool—Physics Package II Senior Division	15.00
Ontario Assessment Instrument Pool—Physics Package III Senior Division	15.00
Resources for Community Groups	2.50
Resource Centre Audio-Visual Catalogue	3.50
Ministry of Municipal Affairs & Housing Bulletin 50—Issues in Capital Decision-Making	1.00
Provincial Highways Traffic Volumes: King's Highways Secondary Highways Tertiary Roads 1982	5.00
Towards Community Planning for an Aging Society	5.00
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Working with Volunteer Boards A Facilitators Handbook	7.00
Ontario Law Reform Commission Report on Powers of Entry	3.00
Ontario Law Reform Commission Report on the Enforcement of Judgment Debts & Related Matters Part IV	6.00
Ontario Law Reform Commission Report on the Enforcement of Judgment Debts & Related Matters Part V	6.00
Inventory of Training Modules for Numerical Control Occupations	4.00

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MAY 16 1984

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TORONTO, SATURDAY, MAY 5th, 1984

Ontario Highway Transport Board Act

The following applications for operating licences under the *Public Commercial Vehicles Act*, R.S.O. 1980, Chapter 407, the *Motor Vehicle Transport Act*, R.S.C. 1970, Chapter M-14 and the *Public Vehicles Act*, R.S.O. 1980, Chapter 425, are published pursuant to Section 8, R.R.O. 1980, Regulation 716.

Section 8 R.R.O. 1980, Regulation 716 provides that the Board may dispose of these applications summarily if no objection is served and filed in the prescribed manner within twenty-nine days of this publication.

Some of these applications will require a public hearing. Members of the public and counsel may speak to the dates and locations for such hearings on Thursday, the 7th day of June, 1984 at the Board's Chambers, Britannica House, 151 Bloor Street West, 10th Floor, Toronto, Ontario, at 4.00 p.m.

Persons unable to attend may speak to these matters by writing or telephoning Mrs. C. I. Davila, Secretary, at (416) 965-1845.

Canada Starch Company Inc./
Compagnie Canada Starch Inc., 36439-B
1 Place du Commerce,
Ile des Soeurs,
Verdun, Quebec H3E 1A7,

applies for an extra-provincial operating licence, as follows:

"1. For the carriage of liquid and dry bulk commodities in tank type vehicles for Casco Company, a partnership of Canada Starch Company Inc., Quebec Maple Products Inc., Ault Foods Limited and Labatt Brewing Company Limited and John Labatt Limited,

(a) from the Caso Company's installations at Port Colborne, the City of London, Cardinal and Metropolitan Toronto, to the interna-

tional boundary for furtherance to points in the United States of America, and

(b) from points in the United States of America from the international boundary to points in the Province of Ontario.

2. For the carriage of goods for Casco Company, a partnership of Canada Starch Company Inc., Quebec Maple Products Inc., Ault Foods Limited and Labatt Brewing Company Limited and John Labatt Limited,

(a) from the Caso Company's installations at Port Colborne, the City of London, Cardinal and Metropolitan Toronto, to the international boundary for furtherance to points in the United States of America, and

(b) from points in the United States of America from the international boundary to points in the Province of Ontario".

David Henry Leslie Bagshaw, 34228-A
o/a A B Direct Delivery Custom
Personalized Service,
156 Chapel Street,
Cobourg, Ontario K9A 1J3,

applies for an extension to Class 'D' public commercial vehicle operating licence No. D-5064, as follows:

Delete the following:

"PROVIDED FURTHER that any operating licence issued pursuant to this certificate shall expire on the 31st day of May, 1984 unless after November 30, 1983 and prior to the 31st day of May, 1984 the licensee applies to the Ontario Highway Transport Board to have the authority made permanent".

So that the operating licence will read as follows:

"For the carriage of goods for and on behalf of:

Emsco Ltd.,
Aluminum Star Products Ltd.,

with installations in the City of Belleville;

Published by the
Ministry of Government Services

Printed by Glenn R. Thompson,
Queen's Printer for Ontario

2111



Borden Chemical Company (Canada) Limited,
 Custis Harris Industries Ltd.,
 Curtis Funsurf Inc.,
 JA-Co. Corp.,
 Jay-Co. Mfg. Ltd.,
 401706 Ontario Limited operating in the name and
 style of The Radman
 Canadian General Electric Co. Ltd.,
 J. Butchard Ltd., operating as 'Cobourg Home
 Centre',
 Don Medhurst, carrying on business as 'Medhurst
 Trophy',
 Custom Plastic International Ltd.,
 Brian Bunce, operating as 'Modulation Station',
 with installations in the Town of Cobourg;

Slogan Signs and Services Ltd.,
 Marg. Round,
 Ted Hunt,
 Miniveil Canada Ltd.,
 Barker & Mackenzie Limited,
 Can-Fab Steel Fabricators Ltd.,
 with installations in the Town of Port Hope;

National Trucking Centre, Divisions of Eastern
 Transport Limited,
 with installation in the Village of Colborne;

Erie Technical Products Limited,
 with installation in the City of Trenton;
 from their respective installations to:

Metropolitan Toronto, the Cities of Mississauga,
 Brampton, Oshawa and Whitby, the Towns of Mark-
 ham and Ajax and that part of the Town of Pickering
 on and south of King's Highway No. 7 and from
 Metropolitan Toronto, the Cities of Mississauga,
 Brampton, Oshawa and Whitby, the Towns of Mark-
 ham and Ajax and that part of the Town of Pickering
 on and south of King's Highway No. 7 to the respec-
 tive installations in the City of Belleville and Trenton,
 the Towns of Cobourg and Port Hope and the Village
 of Colbourne.

PROVIDED that no single piece of a shipment exceeds
 32 kilograms in weight and that no shipment from any
 one consignor to any one consignee exceeds 137 kilo-
 grams in weight.

PROVIDED FURTHER the licensee be restricted to one
 commercial motor vehicle with a maximum gross
 vehicle weight of 3000 kilograms".

**John Douglas Bobbette and
 Bernie Jay Still,** 35943
 73 College Crescent,
 Barrie, Ontario L4M 2W5,

applies for a public vehicle operating licence, as
 follows:

"For the carriage of passengers between the City of
 Barrie and Metropolitan Toronto with no pick-up or
 drop off of passengers en route.

PROVIDED the licensee be restricted to public vehicles
 with a maximum seating capacity of fifteen passengers
 exclusive of the driver.

PROVIDED FURTHER that charter trips be prohibited".

Paul Douglas Dankert, 33239-R
 o/a Paul's Cartage,
 39 Huron Street,
 Guelph, Ontario N1E 5L3,

applies for an extension to Class 'D' public commercial
 vehicle operating licence No. D-4824, as follows:

"For the carriage of goods, for Superfinish Co. Ltd.,
 from its installations in Metropolitan Toronto to points
 in the Regional Municipalities of Halton and Peel and
 the City of Guelph and from points in the City of
 Guelph and the Regional Municipalities of Peel and
 Halton to its installations in Metropolitan Toronto".

Mackenzie Hodgert, 05446-H
 R.R. 1,
 Kirkton, Ontario N0K 1K0,

applies for an extra-provincial operating licence, as
 follows:

"For the carriage of hogs for the Ontario Pork Produ-
 cer's Marketing Board from its assembly points situate
 at or near,

- (i) a place known as Corbett, in the Township of
 Stephen;
- (ii) Hensall; and
- (iii) a place known as Denfield, in the Township of
 London;

to the international boundary at the Detroit River, for
 furtherance to points in the United States of America,
 and from the international boundary at the Detroit
 River, for furtherance to the assembly points of the
 Ontario Pork Producers' Marketing Board situate at or
 near,

- (i) a place known as Corbett, in the Township of
 Stephen;
- (ii) Hensall; and
- (iii) a place known as Denfield, in the Township of
 London".

Sherwood Transportation
Incorporated, 28720-D
 257 Cambridge Street,
 Goderich, Ontario N7A 2Y7,

applies for an extra-provincial operating licence, as
 follows:

"For the carriage of passengers on a chartered trip, not
 being a scheduled service or a special trip, for which a
 public vehicle is hired for the transportation exclu-
 sively of a group of persons, from points in an area
 bounded on the west by King's Highway No. 21
 between its intersection with King's Highway 86 and
 King's Highway 81, King's Highway 81 between its
 intersection with King's Highway 21 and Huron
 County Road 4, bounded on the south by Huron
 County Road 4 between its intersection with King's
 Highway 81 and King's Highway 4, King's Highway 4
 between its intersection with Huron County Road 4
 and Huron County Road 7, Huron County Road 6
 between its intersection with King's Highway 4 and
 King's Highway 23, King's Highway 23 between its
 intersection with Huron County Road 6 and Perth

County Road 17, Perth County Road 17 between its intersection with King's Highway 23 and King's Highway 19, King's Highway 19 between its intersection with Perth County Road 17 and Perth County Road 23, Perth County Road 23 between its intersection with King's Highway 19 and King's Highway 59 bounded on the east by King's Highway 59 between its intersection with Perth County Road 23 and its continuation as Perth County Road 14 to its intersection with Perth County Road 9, bounded on the North by Perth County Road 9 between its intersection with Perth County 14 and its continuation as Huron County Road 25 to its intersection with Huron County Road 12, Huron County Road 12 between its intersection with Huron County Road 25 and its intersection with Huron County Road 16, Huron County Road 16 between its intersection with Huron County Road 12 and King's Highway 4, King's Highway 4 between its intersection with Huron County Road 16 and its intersection with King's Highway 86, King's Highway 86 between its intersection with King's Highway 4 and its intersection with King's Highway 21;

- (a) to the international boundary for furtherance to points in the United States of America;
- (b) to the Ontario-Quebec border for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland;
- (c) to the Ontario-Manitoba border for furtherance to points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, the Yukon and Northwest Territories;
- (d) to the international boundary at the Detroit and St. Clair Rivers in transit through the United States of America for furtherance to points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, the Yukon and Northwest Territories and from such points on the same chartered trip, without pick-up or discharge of passengers, to point of origin";

28720-E

also applies for a public vehicle operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from points in an area bounded on the west by King's Highway 21 between its intersection with King's Highway 86 and King's Highway 81, King's Highway 81 between its intersection with King's Highway 21 and Huron County Road 4, bounded on the south by Huron County Road 4 between its intersection with King's Highway 81 and King's Highway 4, King's Highway 4 between its intersection with Huron County Road 4 and Huron County Road 6, Huron County Road 6 between its intersection with King's Highway 4 and King's Highway 23, King's Highway 23 between its intersection with Huron County Road 6 and Perth County Road 17, Perth County Road 17 between its intersection with King's Highway 23 and King's Highway 19, King's Highway 19 between its intersection with Perth County Road 17 and Perth County Road 23, Perth

County Road 23 between its intersection with King's Highway 19 and King's Highway 59 bounded on the east by King's Highway 59 between its intersection with Perth County Road 23 and its continuation as Perth County Road 14 to its intersection with Perth County Road 9, bounded on the North by Perth County Road 9 between its intersection with Perth County Road 14 and its continuation as Huron County Road 25 to its intersection with Huron County Road 12, Huron County Road 12 between its intersection with Huron County Road 25 and its intersection with Huron County Road 16, Huron County Road 16 between its intersection with Huron County Road 12 and King's Highway 4, King's Highway 4 between its intersection with Huron County Road 16 and its intersection with King's Highway 86, King's Highway 86 between its intersection with King's Highway 4 and its intersection with King's Highway 21".

**Network Transport (Quebec)
Limited,**

05388-V

Les Transports Network
(Quebec) Limited,

Dollard des Ormeaux, Quebec H9B 2P5,

applies for an extension to extra-provincial operating licence No. X-202, as follows:

Delete the following:

"EXTENSION GRANTED—For the carriage of corrugated cardboard, corrugated containers, pallets, machinery and raw materials related to the manufacture of corrugated cardboard and corrugated containers, for and on behalf of MacMillan Bloedel Industries Limited (Packaging Division),

- (a) by shipment from their installation at 5550 Avenue Royalmount in the City of Montreal in the Province of Quebec, as authorized, from the Ontario-Quebec border at Riviere Beaudette, to the Municipality of Metropolitan Toronto, the Cities of Guelph and London, and points within the Regional Municipalities of Durham, York, Peel, Waterloo, Halton, Hamilton-Wentworth and Niagara;

- (b) from their installations at:

- (1) 390 Woodlawn Road West, in the City of Guelph,
- (2) 745 York Street, in the City of London,
- (3) 200 Brockport Drive in the Municipality of Metropolitan Toronto,

to the Ontario-Quebec border, at Riviere Beaudette, for furtherance to points in the Province of Quebec as authorized.

PROVIDED that this authority expires on the 15th day of January, 1984, unless prior to that date complementary authority as issued by the Quebec Transport Commission is filed with the Ontario Highway Transport Board".

And substitute therefor the following:

"For the carriage of goods for and on behalf of MacMillan Bathurst Inc.,

- (a) by shipment from points in the Province of Quebec, from the Ontario-Quebec Border to points in the Province of Ontario;

- (b) from points in the Province of Ontario to the Ontario-Quebec border for furtherance to points in the Province of Quebec.

PROVIDED that any extension to extra-provincial operating licence No. X-202 issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Quebec Transport Commission No. MCG84-03912 dated March 30, 1984, filed with the Ontario Highway Transport Board".

Gauley-Gage Cartage Limited, 23768-A6
23 Civic Road,
Scarborough, Ontario M1L 2K6,

applies for an extension to Class 'D' privileges on Class 'A' public commercial vehicle operating licence No. A-761, as follows:

"For the carriage of goods for Merlin Industries Inc. to or from its installations at Metropolitan Toronto".

Maria Eshuis – Van Landsveld
and Wouter Eshuis, 35818-B
R.R. #1,
Hyde Park, Ontario N0M 1Z0,

applies for an extension to extra-provincial operating licence No. X-3421, as follows:

Delete the following:

"other than to or from race tracks".

so that as amended the operating licence, will read as follows:

"For the transportation of horses, together with equipment and supplies incidental thereto,

- (a) from points in the Province of Ontario to the international boundary for furtherance to points in the United States of America;
- (b) from the international boundary by shipment from points in the United States of America to points in the Province of Ontario;
- (c) from points in the Province of Ontario to the Ontario-Manitoba border for furtherance to points in the Provinces of Manitoba, Saskatchewan, Alberta and British Columbia;
- (d) from the Ontario-Manitoba border by shipment from points in the Provinces of British Columbia, Alberta, Saskatchewan and Manitoba to points in the Province of Ontario;
- (e) from points in the Province of Ontario to the Ontario-Quebec border for furtherance to points in the Province of Quebec;
- (f) from the Ontario-Quebec border by shipment from points in the Province of Quebec to points in the Province of Ontario;
- (g) from points in the Province of Ontario to the international boundary in transit through the United States of America, to points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia and Quebec;
- (h) from the international boundary by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia and Quebec, in transit through the United States of America, to points in the Province of Ontario.

PROVIDED that the licensee be restricted to one commercial motor vehicle licensed under the *Public Commercial Vehicles Act* and/or the *Motor Vehicle Transport Act*.

PROVIDED FURTHER that any extra-provincial operating licence issued pursuant to this certificate shall expire on the 1st day of February, 1987, unless prior to that date complementary authorities as issued by the Boards and/or Commissions of the Provinces of Quebec, Manitoba, Saskatchewan, Alberta and British Columbia and the Interstate Commerce Commission of the United States of America are filed with the Ontario Highway Transport Board";

35818-C

also applies for an extension to Class 'D' public commercial vehicle operating licence No. D-5229, as follows:

Delete the following:

"other than to or from race tracks".

so that as amended the operating licence will read as follows:

"For the transportation of horses, together with equipment and supplies incidental thereto.

PROVIDED that the licensee be restricted to one commercial motor vehicle licence under the *Public Commercial Vehicles Act* and/or the *Motor Vehicle Transport Act*".

Alcock Bus Lines Ltd., 34820-A
R.R. #2,
Kenora, Ontario P9N 3W8,

applies for an extra-provincial operating licence, as follows:

"For the carriage of pupils for The Kenora Board of Education on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from the Town of Kenora and points in The Geographic Township of Jaffray & Melick to the Ontario-Manitoba border, for furtherance to points in the Province of Manitoba and from such points on the same chartered trip, without pick-up/discharge of passengers in Ontario, to point of origin".

C. Avey & Sons Limited, 20868-D
Lot 5, Concession 7,
R.R. #2,
Burgessville, Ontario,

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of grain, feed, seed and fertilizer to or from points in the Counties of Oxford and Brant".

also applies for Class 'FS' privileges as follows:

"For the carriage of farm supplies for use in the operation and maintenance of farms in the Counties of Oxford and Brant".

Margaret A. Valteau, 36471
R.R. #1,
Ameliasburg, Ontario K0K 1A0,

applies for a Class 'R' public commercial vehicle operating licence, as follows:

"For the carriage of:

- (a) sand, gravel, earth, crushed or uncut rock and stone, asphalt mixes, slag and rubble;
- (b) salt, calcium chloride, a mixture of sand and salt, and asphalt mixes directly to highway construction or maintenance sites or to stockpiles for further use on highway construction or maintenance sites.

Between points in Regions 2 and 4 as prescribed within the regulations made under the *Public Commercial Vehicles Act*.

Restricted to one (1) vehicle.

These are the terms of Class 'R' public commercial vehicle operating licence No. R-5995 in the name of Karl Laverne Valleau (deceased)".

C & C Trailer Towing Ltd., 36714
Box 29,
Site 2, R.R. #4,
Stony Plain, Alberta T0E 2G0,

applies for an extra-provincial operating licence, as follows:

"For the carriage of mobile homes by shipment from the Provinces of Saskatchewan and Manitoba, from the Ontario-Manitoba border, to points in the Province of Ontario, and from points in the Province of Ontario to the Ontario-Manitoba border, for furtherance to points in the Provinces of Saskatchewan and Manitoba.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Manitoba Motor Transport Board dated July 15, 1983 and the Saskatchewan Highway Traffic Board No. 642 dated March 27, 1984, filed with the Ontario Highway Transport Board".

Shelly Ann Grierson, 33618-C
o/a Cheetah Courier Services,
85 Fleetwood Crescent,
Brampton, Ontario L6T 2E5,

applies for an extension to Class 'D' public commercial vehicle operating licence No. D-4922, as follows:

"For the carriage of goods for Hickeson-Langs Supply Co. Ltd. and Norwest Precision Limited, from their respective installations in the City of North York to the Cities of Mississauga, Brampton, Kitchener, Oshawa, Hamilton, the Towns of Oakville, Markham, Ajax, Whitby, Pickering, Vaughan and Caledon and for the return of rejected shipments".

Paul Andrews, 36775
o/a Paul Andrews Cartage,
110 Townhaven Place,
Unit 43,
Scarborough, Ontario M1K 5J6,

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of business forms for Lancaster Business Forms (Canada) Limited from its installation in Markham to its customers in the Municipality of Metropolitan Toronto, the Regional Municipalities of Waterloo, Peel, Durham, Halton, Hamilton-Wentworth, Niagara and York and the Counties of Middlesex, Oxford and Wellington and for the return of rejected shipments.

PROVIDED that there be no movement to or from the Lester B. Pearson International Airport".

Edwin Kalevi Karhi, 18246-B
o/a Karhi Contracting,
Desbarats, Ontario P0R 1E0,

applies for an extension to Class 'K' public commercial vehicle operating licence No. K-442, as follows:

Delete:

"Class K within the district of Algoma excluding that part of the district of Algoma lying east of Highway No. 129.

PROVIDED that the licence be restricted against the use of Tilt-N-Load vehicles. Tilt-N-Load vehicle being defined as a tilting, sliding, platform vehicle operated by a separated hydraulic system using a cable or winch operated mechanism".

Substitute:

"For the carriage of heavy-duty machinery, boilers, transformers and similar equipment that require special loading devices and cannot be carried on a standard truck, trailer or semi-trailer, to or from points in the District of Algoma".

Brussels Transport Ltd., 33679-D
Box 85,
Brussels, Ontario N0G 1H0,

applies for an extension to Class 'D' public commercial vehicle operating licence No. D-3298, as follows:

"For the carriage of goods in bulk in dump type equipment to or from the County of Huron:

"Goods in bulk" shall mean such commodities as can be poured, scooped, forked, shovelled, pumped or blown, and which are generally of such size that they cannot be handled piece by piece or individually wrapped, packaged or marked as to identification so as to distinguish one piece from another".

Gervais Motors Limited, 23841-P
1960 Scott Street,
Ottawa, Ontario K1Z 8L8,

applies for an extension to extra-provincial operating licence No. X-2610, as follows:

"For the carriage of residential, camper, office, construction and travel trailers, mobile homes, utility trailers, portable, sectional and modular structures, normally manufactured by mobile home industries and not generally used for the carriage of goods on a highway, for Transport International Pool of Canada Limited, doing business as Gelco Space, from points in the Regional Municipality of Ottawa-Carleton to the Ontario-Quebec border for furtherance to points in the

Province of Quebec and by shipment from points in the Province of Quebec from the Quebec-Ontario border to points in the Regional Municipality of Ottawa-Carleton”.

Ventura Transportation Inc., 36689
124 Avenue Labrosse,
Pointe-Claire, Quebec H9R 1A1,

applies for an extra-provincial operating licence, as follows:

- “1. For the carriage of goods by shipment from Montreal from the Ontario-Quebec border to points in the Province of Ontario, and from points in the Province of Ontario to the Ontario-Quebec border for furtherance to Montreal;
2. For the carriage of goods from points in the Province of Ontario to the international boundary for furtherance to all points in the United States of America, and by shipment from all ports in the United States of America from the international boundary to points in the Province of Ontario.

PROVIDED that all goods have had a prior or will have a subsequent movement by water”.

Darwin Orr Enterprises Ltd., 36637
o/a Foothills Horse Transport,
3303 3rd Avenue North West,
Calgary, Alberta T2N 0M1,

applies for an extra-provincial operating licence, as follows:

“For the carriage of horses and equipment incidental to the care of said horses from:

- (a) points in the Province of Alberta from the Ontario-Manitoba border to points in Ontario and from points in Ontario to the Ontario-Manitoba border for furtherance to points in the Province of Alberta;
- (b) from or to all points at the international boundary and the Ontario-Manitoba borders, for movement in transit through the Province of Ontario with no pick-up or discharge privileges.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Alberta Motor Transport Board No. CCAB 54319 dated September 26, 1983, filed with the Ontario Highway Transport Board”.

Eaglebrook Environmental Corporation, 34746-A
2 Lansing Square,
Ste. 208,
North York, Ontario M2J 4Z4,

applies for an extension to extra-provincial operating licence No. X-3217, as follows:

- “1. For the carriage of hydrochloric acid, in bulk in tank type vehicles for C.I.L. Inc. from Vaughan and its installations at the City of Cornwall to the Ontario-Quebec border for furtherance to points in the Province of Quebec and for the return of rejected shipments.
2. For the carriage of hydrochloric acid, in bulk in tank type vehicles for C.I.L. Inc. by shipment

from its installations at Becancour in the Province of Quebec from the Ontario-Quebec border to points in Ontario, and for the return of rejected shipments”.

34736-B

also applies for Class ‘T’ public commercial vehicle operating licence, as follows:

“For the carriage of hydrochloric acid in bulk in tank type vehicles for C.I.L. Inc. from Vaughan and its installations at the City of Cornwall and for the return of rejected shipments”.

T & D Cartage (Toronto) Inc., 35316-C
1608 The Queensway,
Toronto, Ontario M8Z 1V4,

applies for an extra-provincial operating licence, as follows:

“For the carriage of goods for Chieftain Products Inc., Norton Simon Canada Inc., Airwick of Canada Ltd. and Universal Manufacturing Corporation, from points in the Province of Ontario, to the international boundary for furtherance to points in the United States of America and by shipment from points in the United States of America from the international boundary to points in the Province of Ontario”.

35316-D

also applies for a Class ‘D’ public commercial vehicle operating licence, as follows:

“For the carriage of goods to or from the installations of Chieftain Products Inc. and Norton Simon Canada Inc., in Metropolitan Toronto and Airwick of Canada Ltd. in Mississauga”.

McGillion Transport Inc. 24476-A11
141 Healey Road,
P.O. Box 398,
Bolton, Ontario L0P 1A0,

applies for an extension to extra-provincial operating licence No. X-1713, as follows:

“For the carriage of one person’s goods only on any one trip, from points in Ontario to the international boundary at the Detroit, St. Marys, Niagara, St. Clair and St. Lawrence Rivers, for furtherance to points in the United States of America and by shipment from points in the United States of America from the international boundary at the Detroit, St. Marys, Niagara, St. Clair and St. Lawrence Rivers, to points in Ontario”.

Short Way Suburban Lines, Inc., 36414
1 Keeshin Drive,
Toledo, Ohio 43612,
U.S.A.,

applies for an extra-provincial operating licence, as follows:

“For the carriage of passengers on a chartered trip, not being a scheduled service or special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from points in the United States of America, from the international boundary to points in Ontario; and from such points on the same chartered trip, without pick-up or discharge of passengers in Ontario, to point of origin.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC-165198, dated August 17, 1983, filed with the Ontario Highway Transport Board".

Clair's Haulage Limited, 25459-K
1120 Heritage Road,
Burlington, Ontario L7L 4X9,

applies for an extension to Class 'D' public commercial vehicle operating licence No. D-4660, as follows:

"For the carriage of goods in bulk in dump type vehicles to or from the installations of Neelon Casting Ltd.

"Goods in bulk" shall mean such commodities as can be poured, scooped, forked, shovelled, pumped or blown, and which are generally of such size that they cannot be handled piece by piece or individually wrapped, packaged or marked as to identification so as to distinguish one piece from another".

Kingsway Transports Limited, 01895-B10
10525 Cote de Liesse Road,
Dorval, Quebec H9P 1A7,

applies for an extension to Class 'A' public commercial vehicle operating licence No. A-48, as follows:

"For the carriage of goods between points in the Province of Ontario.

PROVIDED the current Class 'A' privileges on A-48 of Kingsway Transports Limited are cancelled".

Lehman Cartage Inc., 36094-A
P.O. Box P,
Elyria, Ohio 44035,
U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of goods for Ford Motor Company by shipment from points in the United States of America from the international boundary at the Niagara, Detroit and St. Clair Rivers to points in the Province of Ontario; and from points in the Province of Ontario to the international boundary at the said border crossing points for furtherance to points in the United States of America.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC-7573, Sub-4, dated October 5, 1953, Sub E1, dated October 2, 1974, Sub-4, dated April 21, 1971, Sub-5G, dated October 3, 1975, and Sub-6 dated March 17, 1981, filed with the Ontario Highway Transport Board".

Kent Bus Company Inc., 36413
1 Keeshin Drive,
Toledo, Ohio 43612,
U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or special trip, for which a public vehicle is hired for the transportation exclusively or a group or persons, from points in the United States of America, from the international boundary to points in Ontario; and from such points on the same chartered trip, without pick-up or discharge of passengers in Ontario, to point of origin.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC 165145, dated June 7, 1983, filed with the Ontario Highway Transport Board".

Ashland City Lines, Inc., 36412
1 Keeshin Drive,
Toledo, Ohio 43612,
U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from points in the United States of America, from the international boundary to points in Ontario; and from such points on the same chartered trip, without pick-up or discharge of passengers in Ontario, to points of origin.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC 118926 Sub 3, dated February 25, 1982, filed with the Ontario Highway Transport Board".

Sandy Mitchell Cartage Limited, 35349-A
327 Mississauga Valley Boulevard,
Mississauga, Ontario L5A 1Y6,

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of food products for Lawrence Specialty Sales Limited from their installation in Metropolitan Toronto to Oakville, Mississauga, Brampton, Ajax and Pickering and for the return of rejected shipments".

Short Way Airport Limousines, Inc., 36411
1 Keeshin Drive,
Toledo, Ohio 43612,
U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from points in the United States of America, from the international boundary to points in Ontario; and from such points on the same

chartered trip, without pick-up or discharge of passengers in Ontario, to point of origin.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC 165197, dated June 6, 1983, filed with the Ontario Highway Transport Board".

TNT Canada Inc., 21967-L
5280 Maingate Drive,
Mississauga, Ontario L4W 1G5,

applies for an extra-provincial operating licence, as follows:

"For the carriage of goods:

- (a) from points in the Province of Ontario to the international boundary for furtherance to points in the United States of America, and by shipment from points in the United States of America, from the international boundary to points in the Province of Ontario;
- (b) from points in the Province of Ontario, to the Ontario-Manitoba border for furtherance to points in the Provinces of Manitoba, Saskatchewan, Alberta and British Columbia and the Northwest and Yukon Territories, and by shipment from points in the Provinces of British Columbia, Alberta, Saskatchewan and Manitoba and the Northwest and Yukon Territories, from the Ontario-Manitoba border to points in the Province of Ontario;
- (c) from points in the Province of Ontario to the Ontario-Quebec border for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland, and by shipment from points in the Provinces of Newfoundland, Prince Edward Island, Nova Scotia, New Brunswick, and Quebec, from the Ontario-Quebec border to points in the Province of Ontario;
- (d) by shipment from points in the Provinces of Newfoundland, Prince Edward Island, Nova Scotia, New Brunswick and Quebec, from the Ontario-Quebec border in transit through the Province of Ontario without pick-up or discharge privileges to the Ontario-Manitoba border for furtherance to points in the Province of Manitoba, Saskatchewan, Alberta, British Columbia and the Northwest and Yukon Territories and by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia and the Northwest and Yukon Territories from the Ontario-Manitoba border in transit through the Province of Ontario without pick-up or discharge privileges to the Ontario-Quebec border for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland;
- (e) by shipment from points in the United States of America, from the international boundary in transit through the Province of Ontario without pick-up or discharge privileges to the Ontario-Manitoba and the Ontario-Quebec borders for

furtherance to points in the Provinces of Newfoundland, Prince Edward Island, Nova Scotia, New Brunswick, Quebec, Manitoba, Saskatchewan, Alberta, British Columbia and the Northwest and Yukon Territories, and by shipment from points in the Provinces of Newfoundland, Prince Edward Island, Nova Scotia, New Brunswick, Quebec, Manitoba, Saskatchewan, Alberta, British Columbia and the Northwest and Yukon Territories from the Ontario-Quebec and the Ontario-Manitoba borders in transit through the Province of Ontario without pick-up or discharge privileges to the international boundary for furtherance to points in the United States of America".

21967-M

also applies for a Class 'A' public commercial vehicle operating licence, as follows:

"For the carriage of goods between points in the Province of Ontario".

Van de Hogen Cartage, Inc., 36131-A
2590 Dougall Avenue,
Windsor, Ontario,

applies for an extra-provincial operating licence, as follows:

"For the carriage of steel for Bucyrus Blades of Canada Ltd. and/or Bucyrus Blades Inc., from the installations of Van de Hogen Material Handling Inc. at Windsor, to the international boundary, for furtherance to Bucyrus, Ohio and for the return of rejected shipments".

McKevitt Trucking Limited, 12481-A15
P.O. Box 2567,
Station 'P',
Thunder Bay, Ontario P7B 5G1,

applies for an extension to extra-provincial operating licence No. X-926, as follows:

"For the carriage of goods for Bay Beverages Limited,

- (a) from their installations at Thunder Bay, Fort Frances and Dryden to the Ontario-Manitoba border for furtherance to points in the Province of Manitoba, and
- (b) by shipment from points in the Province of Manitoba, from the Ontario-Manitoba border to the aforementioned installations at Thunder Bay, Fort Frances and Dryden".

12481-A16

also applies for an extension to Class 'C' public commercial vehicle operating licence No. C-209, as follows:

"For the carriage of goods for Bay Beverages Limited to or from their installation at Thunder Bay".

Irene Maurice, 36750
82 Grande Alle Street,
Field, Ontario P0H 1M0,

applies for the transfer of public vehicle (school bus) operating licence No. PVS-3421, now in the name of Maxime Fournier, Crystal Falls, Ontario P0H 1L0.

D & W Forwarders Inc.,
81 Orenda Road,
Brampton, Ontario L6W 1V7,

24558-P

applies for an extension to extra-provincial operating licence No. X-2343, as follows:

Delete:

"For the carriage of goods for and on behalf of IKO Industries Limited, I.G. Machine & Fibers Ltd. and Roofmart (Ontario) Ltd;

from their respective installations in the Province of Ontario:

(a) to the international boundary at the Niagara, Detroit and St. Clair Rivers, for furtherance to points in the United States of America, as authorized and by shipment from points in the United States of America, as authorized from the international boundary at the said rivers to points in Ontario;

(b) to the Ontario-Quebec border at Riviere Beaudette, Virginiatown, Judge, Timiskaming, Ottawa and Pointe Fortune, for furtherance to points in the Province of Quebec, as authorized.

PROVIDED this authority be operated only in conjunction with the following:

(a) the complementary authority of the Interstate Commerce Commission of the United States of America No. MC-140411 dated July 25, 1977;

(b) the complementary authority of the Quebec Transport Commission No. M-15339 dated March 31, 1977; both filed with the Ontario Highway Transport Board.

For the carriage bulk commodities used in the manufacture of asphalt roofing, to be transported in tank trailers, for and on behalf of IKO Industries Limited, I.G. Machine & Fibers Ltd. and Roofmart (Ontario) Ltd., from points in the Province of Ontario to the Ontario-Quebec border at or near Virginiatown, Judge, Timiskaming, Ottawa, Pointe Fortune and Riviere Beaudette, for furtherance to the Province of Quebec, as authorized and by shipment from points in the Province of Quebec, from the Ontario-Quebec border at the said border points to the Province of Ontario, as authorized.

PROVIDED that this authority be operated only in conjunction with the complementary authority of the Quebec Transport Commission No. M-24350 dated October 4, 1977 filed with the Ontario Highway Transport Board.

EXTENSION GRANTED—For the carriage of building products for and on behalf of IKO Industries Limited, I.G. Machine & Fibers Ltd. and on Roofmart (Ontario) Limited, from their respective installations in the Province of Ontario to the Ontario-Quebec border at or near Riviere Beaudette, Virginiatown, Judge, Timiskaming, Ottawa and Pointe Fortune, for furtherance to the Provinces of New Brunswick and Nova Scotia, as authorized and for the return of rejected or damaged shipments to the respective installations in the Province of Ontario.

PROVIDED that this authority be operated only in conjunction with the following:

(a) complementary authority of the Quebec Transport Commission No. 24101-V, dated August 22, 1979;

(b) complementary authority of the Motor Carrier Board of the Province of New Brunswick No. 1611, dated September 20, 1978; and

(c) complementary authority of the Board of Commissioners of Public Utilities of the Province of Nova Scotia, dated February 12, 1979;

all filed with the Ontario Highway Transport Board".
Substitute:

"For the carriage of goods for IKO Industries Limited, I.G. Machine & Fibers Ltd. and Roofmart (Ontario) Ltd., from their respective installations in the Province of Ontario:

(a) to the international boundary, for furtherance to points in the United States of America and by shipment from points in the United States of America, from the international boundary to points in Ontario;

(b) to the Ontario-Quebec border, for furtherance to points in the Provinces of Quebec, New Brunswick and Nova Scotia and by shipment from points in the Provinces of Nova Scotia, New Brunswick and Quebec, from the Ontario-Quebec border to points in Ontario.

For the carriage of bulk commodities used in the manufacture of asphalt roofing, to be transported in tank trailers, for IKO Industries Limited, I.G. Machine & Fibers Ltd. and Roofmart (Ontario) Ltd., from points in the Province of Ontario to the Ontario-Quebec border, for furtherance to points in the Province of Quebec and by shipment from points in the Province of Quebec, from the Ontario-Quebec border to points in the Province of Ontario.

also applies for:

For the carriage of goods in shipping containers, designed for the transportation of goods among various modes of transportation, from points in the Province of Ontario to the Ontario-Quebec border, for furtherance to points in the Province of Quebec and by shipment from points in the Province of Quebec, from the Ontario-Quebec border to points in the Province of Ontario".

S.H.P. Transit Transport Ltd., 36460
62 Medulla Avenue,
Toronto, Ontario M8Z 5L9,

applies for a Class 'A' public commercial vehicle operating licence, as follows:

"For the carriage of goods between Metropolitan Toronto, Brampton, Mississauga, Vaughan, Markham, Ajax and Pickering".

This replaces entry which appeared in THE ONTARIO GAZETTE of February 4, 1984.

Chipperfield's Express Limited, 21326-M
2500 Lawrence Avenue East,
Unit 16,
Scarborough, Ontario M1P 2R8,

applies for the transfer of shares, as follows:

58 common shares of the capital stock of the company from Robert S. Chipperfield to David C. Chipperfield, c/o 5524 Lawrence Avenue East, Scarborough, Ontario.

55 common shares of the capital stock of the company from Joan D. Chipperfield to David C. Chipperfield, c/o 5524 Lawrence Avenue East, Scarborough, Ontario.

Cushman Cartage & Float Inc., 35466-D
36 Cushman Road,
St. Catharines, Ontario L2M 6S8,

applies for an extension to extra-provincial operating licence No. X-3070, as follows:

"For the carriage of goods for 418519 Ontario Limited, carrying on business as Niagara Distribution Services, from their installations at Niagara Falls Falls and Welland to the international boundary at the Niagara River for furtherance to points in the United States of America and by shipment from points in the United States of America from the international boundary at the Niagara River to the said installations at Niagara Falls and Welland".

35466-E

also applies for an extension to Class 'D' public commercial vehicle operating licence No. D-4891, as follows:

"For the carriage of goods for 418519 Ontario Limited, carrying on business as Niagara Distribution Services, to or from their installations at Niagara Falls".

C. I. DAVILA, (MRS.),
Secretary.

(4617) 18

The following applications for approval of tariff of tolls, having been referred to the Ontario Highway Transport Board pursuant to Section II of the *Public Vehicles Act*, R.S.O., 1980, Chapter 425, will be heard by the Board at its Chambers, Britannica House, 151 Bloor Street West, 10th Floor, Toronto, Ontario, on Friday the 25th day of May, 1984 at 9.00 a.m.

The Board shall entertain representations by any persons presenting themselves at the time and place hereinbefore described.

For greater particularity the new tariff of tolls may be seen by the public at the Ontario Highway Transport Board's Chambers, Britannica House, 151 Bloor Street West, 10th Floor, Toronto, Ontario, or at any office of the applicants.

Greater Niagara Transit Commission
The Canada Coach Lines Limited
Willgrove Corporation

Luciano World Travel Ltd.

C. I. DAVILA, (MRS.),
(4618) 18 Secretary.

The following applications for Class 'W' operating licences under the *Public Commercial Vehicles Act*, R.S.O. 1980, Chapter 407, are published pursuant to Section 8, R.R.O. 1980, Regulation 716.

Section 8, R.R.O. 1980, Regulation 716 provides that the Board may dispose of these applications summarily if no objection is served and filed in the prescribed manner within twenty-nine days of this publication. Some of these applications will require a public hearing. Members of the public and counsel may speak to the dates and locations for such hearings on Thursday, the 7th day of June, 1984 at the Board's Chambers, Britannica House, 151 Bloor Street West, 10th Floor, Toronto, Ontario, at 4.00 p.m. Persons unable to attend may speak on these matters by writing or telephoning Mrs. C. I. Davila, Secretary, at (416) 965-1845.

CLASS 'W' OPERATING LICENCE:

For the transportation exclusively of logs, timber, rough or dressed lumber, laminated lumber, laminated wooden blocks, wooden ties and poles, plywood, particle board, waferboard, fibreboard, veneer, bark, woodchips, shavings, sawdust and wood flour.

Gary Graham, 36699
R.R. #1,
Walkerton, Ontario N0G 2V0,

Region W4. One (1) vehicle.

John Paul Bedard, 30027-C
R.R. #3,
Box 26, Highway 537,
Sudbury, Ontario P3E 4N1.

Regions W3 and W4. One (1) vehicle.

Nickel City Transport 05426-A1
(Sudbury Limited,
2264 Long Lake Road,
Sudbury, Ontario P3E 5H4,

applies for an extension to Class 'W' public commercial vehicle operating licence No. W-046, as follows:

By adding:

- (1) fifteen (15) more vehicles for a total of thirty (30) vehicles; and
- (2) Regions W1 and W2, making Regions W1, W2, W3, W4, W5 and W6".

C. I. DAVILA, (MRS.),
(4619) 18 Secretary.

Government Notices Respecting Corporations

Certificates of Incorporation

NOTICE IS HEREBY GIVEN that a certificate of incorporation under the *Business Corporations Act*, has been endorsed.

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
A & J FERREIRA HOMES LIMITED	583570	April 11, 1984	North Bay
A.R. TAILLEFER DEVELOPMENT INC.	561720	April 9, 1984	Ottawa
A.R. TANNER CONSULTANTS INC.	583633	April 12, 1984	Pickering
ABIGAIL & DUNKLEY COSMETICS INC.	582948	April 9, 1984	Mississauga
ACADEMY MANAGEMENT INC.	583634	April 12, 1984	Toronto
ACCU-TRAVEL SERVICE LTD.	583616	April 12, 1984	Mississauga
ACCUCIRCUIT INC.	583580	April 12, 1984	Toronto
ACCURATE CERAMICS & MARBLE CORPORATION	583442	April 10, 1984	Weston
ACTION JEWELLERY CORP.	583600	April 12, 1984	Toronto
ADVEX ELECTRIC INC.	583409	April 10, 1984	Scarborough
ADVISION II LTD.	583644	April 12, 1984	Burlington
AGRA-PEAT FARMS INC.	583503	April 11, 1984	Toronto
AILEY ENGINEERING CO. LTD.	582919	April 9, 1984	Toronto
ALERTLINE SECURITY INC.	583569	April 11, 1984	Downsview
ALEX RUSSELL CONSTRUCTION INC.	582925	April 9, 1984	Toronto
ALL ONTARIO REALTY (1984) LTD.	583410	April 10, 1984	Downsview
ALTERNATIVE EATERY INC.	583439	April 10, 1984	Toronto
AMHOW INVESTMENTS LIMITED	583510	April 11, 1984	Toronto
AMLON HOMES CORPORATION	583040	April 6, 1984	Downsview
ANCHOR HOCKING CORPORATION	583050	April 9, 1984	Toronto
ANNUITIZERS INC.	583620	April 12, 1984	Toronto
APOLO KART RACING INC.	583542	April 11, 1984	Scarborough
APTEL DISTRIBUTION INC.	583457	April 10, 1984	Toronto
AQUILA PAINTING & DECORATING LTD. ...	583094	April 10, 1984	Downsview
ARPLEX AEROSOLS INC.	583468	April 10, 1984	London
ARTHUR J.R. SMITH ASSOCIATES INC.	583523	April 11, 1984	Toronto
ASG COMPUTER SYSTEMS INC.	582947	April 9, 1984	Scarborough
ATA CONSTRUCTION LTD.	561725	April 10, 1984	Ottawa
ATILUM HOLDINGS INC.	583421	April 10, 1984	Toronto
AUDIO-VISUAL INVENTORY MANAGEMENT INC.	583502	April 11, 1984	Toronto
AVILAIN BUILDING CORPORATION	582939	April 9, 1984	Willowdale
B. & H. JEWELLERY LIMITED	583053	April 9, 1984	Toronto
B.B.H.R.S. INSURANCE CENTRE LTD.	583058	April 9, 1984	Oakville
BAG GRABBER INC.	571494	April 6, 1984	Mossley
BAINHART CONSTRUCTION LTD.	583697	April 13, 1984	Downsview
BAR-BRO MECHANICAL CONTRACTING LTD.	583052	April 9, 1984	Richmond Hill
BARRIE TENT & AWNING (1984) COMPANY LTD.	583568	April 11, 1984	Oro Station
BAXTER BROTHERS WILDERNESS CAMPS LIMITED	539324	April 9, 1984	Murillo
BEAR CREEK FARM ENTERPRISES LTD.	582994	April 9, 1984	Papineau
BELBERDAN LTD	571493	April 6, 1984	Lucan
BENNY VIDEO RENTAL INC.	583513	April 11, 1984	Toronto
BERTROB MANUFACTURERS CO. LTD.	583555	April 11, 1984	Willowdale
BERZINS INSURANCE BROKERS LIMITED ..	583519	April 11, 1984	North York
BILL & JOE'S RESTAURANT TAVERN LIMITED	583638	April 12, 1984	Toronto
BLAKE CUSHING CONSTRUCTION LIMITED	582981	April 9, 1984	Thornhill
BLYTHE HOLDING COMPANY LTD.	582980	April 9, 1984	Brampton

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
BOFORS PLAST-SEITZ INTERNATIONAL LTD.	583032	April 6, 1984	Hamilton
BOLGER'S RESTAURANT LTD.	583100	April 10, 1984	Paris
BRANTFORD THERMAL UNITS LTD.	583466	April 10, 1984	Brantford
BRIDGEVIEW AUTO CENTRE LTD.	583480	April 10, 1984	Point Edward
BROADWAY GARDENS LIMITED	583417	April 10, 1984	St. Catharines
BRUCE PICKETT ENTERPRISES LTD.	583606	April 12, 1984	Markham
BUDGET WISE COMPUTER USERS GROUP INC.	577675	April 9, 1984	St. Catharines
BULLET PROOF ANGLES PRODUCTIONS LTD.	583552	April 11, 1984	Don Mills
BURROWS KITCHING MUSIC LTD.	582926	April 9, 1984	Toronto
BUYCO INC.	583558	April 11, 1984	Toronto
C. LARKIN WOODWORKING INC.	583672	April 13, 1984	Toronto
C&E(YORKDALE)LIMITED	571519	April 11, 1984	London
CALICIA HOLDINGS LIMITED	583101	April 10, 1984	Woodbridge
CAMBRIDGE DUNBRICK LTD.	583731	April 13, 1984	Cambridge
CAMBRIDGE MANUFACTURING INC.	583041	April 6, 1984	St. George
CAMPAS VENDING SERVICES LTD.	583073	April 10, 1984	Greenwood
CANADIAN WELDING AND MANUFACTURING COMPANY LTD.	538767	April 6, 1984	Windsor
CANATEC INC.	582962	April 9, 1984	Toronto
CANAUR PLACERS LTD.	583412	April 10, 1984	Toronto
CANCOM ADVERTISING LTD.	583516	April 11, 1984	Scarborough
CAPPER & COMPANY INC.	583588	April 12, 1984	Toronto
CARDOZA'S MEN & LADIES CLOTHING CORPORATION	582982	April 9, 1984	Toronto
CASAURIA RESTAURANT (1984) LIMITED	583680	April 13, 1984	Toronto
CBA FINANCIAL CORPORATION	583595	April 12, 1984	Toronto
CENTRAL PARK SALES INC.	583416	April 10, 1984	Niagara-on-the-Lake
CHADWICK-ALLEN ENTERPRISES INC.	583707	April 13, 1984	Toronto
CHARLES D. MENKES HOLDINGS LIMITED .	583566	April 11, 1984	Mississauga
CHARTHOUSE MARINE LTD.	583544	April 11, 1984	Penetanguishene
CHAY REALTY INC.	583489	April 10, 1984	Barrie
CHERRY AVE. STANDARDBREDS INC.	571502	April 9, 1984	London
CHERRY'S TOO LIMITED	583726	April 13, 1984	Toronto
CJMO FASHION MANUFACTURING COMPANY LIMITED	583553	April 11, 1984	Toronto
CLARION INTERNATIONAL DEVELOPMENT LTD.	583688	April 13, 1984	Toronto
CLASSIC STYLE DONUTS LIMITED	583481	April 10, 1984	Weston
CLIMAX CONSTRUCTIONS LTD.	583717	April 13, 1984	Richmond Hill
CO-PRO LIMITED	561714	April 6, 1984	Ottawa
COLWELL SYSTEMS CORPORATION	582918	April 9, 1984	Don Mills
COMP-RO REFRIGERATION INC.	58305	April 10, 1984	Ajax
COMPUCHECK INSURANCE GROUP LTD. ...	582911	April 6, 1984	Etobicoke
COMPUTER ASSISTED ROBOTICS DYNAMICS LTD.	583579	April 12, 1984	Toronto
CONFORZI/SBROCCHI CONSTRUCTION CORPORATION LIMITED	583590	April 12, 1984	Mississauga
CONN CREATIVE PRINTERS INC.	538772	April 11, 1984	Windsor
CONTINENTAL PENN SERVICES LIMITED ..	583623	April 12, 1984	Toronto
CONTROL APPLIANCE SERVICE LTD.	583528	April 11, 1984	Agincourt
COOLMINE CONSTRUCTION LTD.	583696	April 13, 1984	Downsview
COOPJAK HOLDINGS LTD.	583473	April 10, 1984	Toronto
CORNIN CONSTRUCTION LTD.	583725	April 13, 1984	Woodbridge
COSENSOR INTERNATIONAL INC.	581949	April 9, 1984	Markham
COSENTINO MEAT PRODUCTS LIMITED	583450	April 10, 1984	Toronto
COTSWOLD PRECISION CO. LTD.	583106	April 11, 1984	Burlington
CREEKSIDE INVESTMENT CORP	582951	April 9, 1984	Toronto
CWMABER INVESTMENT LTD.	582914	April 6, 1984	Sarnia
CYN-CHRIS ENVIRONMENTAL CONTROL SYSTEMS LTD.	583497	April 11, 1984	Barrie

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
D'ALLAN FILM & VIDEO PRODUCTIONS LTD.	583537	April 11, 1984	Toronto
DANBAR HOME CARE SERVICES INC.	582930	April 9, 1984	Markham
DANMAR LIMITED	583491	April 11, 1984	Willowdale
DARKEFF AND ASSOCIATES INSURANCE AGENCY LTD.	582922	April 9, 1984	Don Mills
DATELINE MIDDLE EAST INC.	583408	April 10, 1984	Toronto
DAVID GAMBLE REAL ESTATE LTD.	582932	April 9, 1984	Toronto
DEALER SERVICE SYSTEMS (INTERNATIONAL) LTD.	583601	April 12, 1984	Mississauga
DENISON SQUARE DEVELOPMENTS LIMITED	583624	April 12, 1984	Willowdale
DETSON SECURITY SYSTEMS INC.	583456	April 10, 1984	Willowdale
DOJOMAR HOLDINGS CORPORATION	583657	April 13, 1984	Scarborough
DOMINION MACHINERY REPAIR LTD.	583453	April 10, 1984	Mississauga
DOUBLE E CONSTRUCTION LIMITED	571517	April 11, 1984	London
DUFF HOUSE ESTATES LIMITED	582931	April 9, 1984	Mississauga
DUNDAS HOME ENTERTAINMENT CENTRE LIMITED	583059	April 9, 1984	Dundas
DUNEDUN INC.	583469	April 10, 1984	Mississauga
DYNAMIC WOODCRAFT PRODUCTS LIMITED	583494	April 11, 1984	Brampton
EARNBRIDGE INVESTORS INC.	583698	April 13, 1984	Downsview
EASTCASTLE HOMES LTD.	582977	April 9, 1984	Willowdale
EIDARP INC.	583613	April 12, 1984	Mississauga
EIGHTY HANLAN ROAD INVESTMENTS INC.	583669	April 13, 1984	Woodbridge
ENCLAVE ENTERPRISES INC.	581913	April 12, 1984	Belleville
ENERGISED POWERPAC SHAKES INC.	583609	April 12, 1984	Willowdale
ENORIC CONSULTANTS LTD.	583625	April 12, 1984	Toronto
EQTRON CORPORATION	583551	April 11, 1984	Toronto
EQUIMORT LTD.	583471	April 10, 1984	North York
ETERNA ENTERPRISES INC.	583587	April 12, 1984	Markham
EXCEL HOMES LTD.	561716	April 6, 1984	Kanata
EXECUTIVE PRECEDENTS INC.	583676	April 13, 1984	Markham
FARRAR'S RED & WHITE LIMITED	582979	April 9, 1984	Frankford
FERARM CONSTRUCTION INC.	561727	April 11, 1984	Ottawa
FINCHDOWN INVESTMENTS LIMITED	583691	April 13, 1984	Downsview
FINCHOME APPLIANCE PARTS & SERVICE LIMITED	583591	April 12, 1984	Willowdale
FIRST CHOICE SANITATION SUPPLIES INC.	583484	April 10, 1984	Guelph
FLAG RAIDERS INC.	583565	April 11, 1984	Cambridge
FLAGSHIP REAL ESTATE LTD.	583483	April 10, 1984	Toronto
FLORA GREEN LANDSCAPING LTD.	582921	April 9, 1984	Mississauga
FOAIC EXPORTS INC.	583654	April 13, 1984	Markham
FOREQUIPMENT LAURENTIA INC.	583077	April 10, 1984	Toronto
FORGEE PRODUCTS INC.	583564	April 11, 1984	Ridgetown
FRAMEWALD ENTERPRISES LTD.	583599	April 12, 1984	Scarborough
FRANK FURMAN REAL ESTATE INC.	582957	April 9, 1984	St. Catharines
FRANK'S FRANKS LIMITED	583554	April 11, 1984	St. Catharines
FRANKLIN-COOPER FINANCIAL CORP.	583695	April 13, 1984	Mississauga
FURNITURE GALORE INC.	583517	April 11, 1984	Toronto
G.K. TAXI LTD.	583527	April 11, 1984	Scarborough
G.N. ARTISTIC PAINTERS INC.	583536	April 11, 1984	Weston
GALAXIE TIRE & SERVICE INC.	583452	April 10, 1984	Mississauga
GALEA BROTHERS TRUCK SERVICE LTD. ..	583630	April 12, 1984	Rexdale
GAMBLE BROTHERS INC.	583710	April 13, 1984	Cambridge
GANSON SYSTEMS INC.	571498	April 6, 1984	London
GARAFRA INVESTMENTS LIMITED	583508	April 11, 1984	Toronto
GARRETT & JONES ALUMINUM & GENERAL CONTRACTING LIMITED	583646	April 12, 1984	Lakefield
GAUNTLET HOLDINGS LTD.	561721	April 9, 1984	Ottawa
GENUS DEVELOPMENTS LTD.	579757	April 9, 1984	Ottawa

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
GILHOOLEY SALES PROMOTIONS INC.	583619	April 12, 1984	Thornhill
GLASS HARDWARE SYSTEMS INC.	583475	April 10, 1984	Palgrave
GLOBALCARE (CANADA) LIMITED	583482	April 10, 1984	Toronto
GLOBE TOURIST INC.	571504	April 9, 1984	London
GRAVEL AND MERCIER LIMITED	539325	April 11, 1984	Geraldton
GREENBORO LAWN CARE INC.	583645	April 12, 1984	Waterloo
H. GOMES REALTY INC.	583506	April 11, 1984	Willowdale
HALEY & LAWSON INC.	583733	April 13, 1984	Toronto
HASKAL'S RESTAURANT (1984) LTD.	561722	April 9, 1984	Ottawa
HASKETT FARMS INC.	571507	April 9, 1984	Lucan
HCL ENGINEERING AND CONSTRUCTION LTD.	583446	April 10, 1984	Scarborough
HEUVELHOF FARM (1984) LIMITED	571495	April 6, 1984	Tavistock
HOLTOM & PETHICK INSURANCE BROKERS LTD.	564135	April 9, 1984	Lindsay
HOTEL QUINTE (1984) INC.	583635	April 12, 1984	Toronto
HUMMINGBIRD CUSTOM SCREEN PRINTING INC.	583615	April 12, 1984	Toronto
HUN BROS. ENTERPRISES INC.	583054	April 9, 1984	Toronto
IGM MACHINE PARTS MANUFACTURING LTD.	583057	April 9, 1984	Mississauga
IGNIS CORPORATION	583686	April 13, 1984	Weston
IIL COMPONENT INC.	583692	April 13, 1984	Weston
INDUSPRAY CONTRACT PAINTERS INC.	583583	April 12, 1984	Toronto
INDUSTRIAL COOLING EQUIPMENT INC. ...	583632	April 12, 1984	Thornhill
INNOVATIVE MARINE TECHNOLOGIES LTD.	583703	April 13, 1984	Burlington
INSURANCE MARKETING SYSTEMS INC. ...	582910	April 6, 1984	Etobicoke
INTER-METRO CONSTRUCTION LIMITED ..	583714	April 13, 1984	Weston
INTERNATIONAL HOTEL COVER (1984) LTD.	583104	April 11, 1984	Markham
J. & J. CHAMBERLAIN ENTERPRISES LTD. ...	582978	April 9, 1984	Kitchener
J. CORSI DEVELOPMENTS INC.	510572	April 11, 1984	Sudbury
J. DON TRANSFER LTD.	583705	April 13, 1984	Gowanstown
J.D. MCKEON TRANSPORTER SERVICES INC.	582920	April 9, 1984	Toronto
J.E.B. FOODS LTD.	582943	April 9, 1984	Downsview
JAMTRADE HOLDINGS INC.	583539	April 11, 1984	Toronto
JELCO HOLDINGS INCORPORATED	582916	April 9, 1984	Toronto
JOMAN MARKETING LIMITED	583663	April 13, 1984	Markham
K.T. PUBLISHING & PRINTING COMPANY INC.	582995	April 9, 1984	Toronto
K/PAUL HOLDINGS INC.	583438	April 10, 1984	Oshawa
KAPA INC.	583709	April 13, 1984	Forest
KAPPA REALTY SERVICES LIMITED	582993	April 9, 1984	Rexdale
KARL STRONG LAND & LIVESTOCK OPERATIONS LTD.	538766	April 6, 1984	Belle River
KATHCO DISTRIBUTING INC.	583496	April 11, 1984	Toronto
KEEPING AND WALTON SYSTEMS INC.	582934	April 9, 1984	Willowdale
KEM SHEET METAL COMPANY LIMITED ...	581981	April 9, 1984	Stoney Creek
KEVIN HAMILTON TRUCKING LIMITED	583573	April 12, 1984	Milton
KEY FACTOR TRAFFIC CONSULTANTS INC.	582997	April 9, 1984	Mississauga
KING EAST MEDICAL PHARMACY LTD.	583715	April 13, 1984	Hamilton
KINGSTON INTERNATIONAL INC.	571490	April 6, 1984	London
KINOSHITA-BEVINGTON DESIGNS INC.	583424	April 13, 1984	Toronto
KISINCO LIMITED	582942	April 9, 1984	Scarborough
KIU LUEN TRADING LTD.	583401	April 10, 1984	Toronto
L. TELFORD BUILDER INC.	564136	April 10, 1984	Bobcaygeon
L&T CENTERED TRAINING LTD.	583576	April 12, 1984	Toronto
LA VENEZIANA FOOD LIMITED	582935	April 9, 1984	Weston
LAM & ASSOCIATES LTD.	583664	April 13, 1984	Downsview
LAMBTON HOT MIX LTD.	582915	April 6, 1984	Corunna
LANARK PLUMBING CO. LTD.	583425	April 10, 1984	Toronto

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
LARRY MARSON HOCKEY SCHOOLS INC.	582924	April 9, 1984	Pickering
LAURENTIAN DRIVER POOL LTD.	571492	April 6, 1984	London
LAWES MANAGEMENT CONCEPTS LIMITED	583650	April 13, 1984	Caledon
LENAM INVESTMENTS LIMITED	583509	April 11, 1984	Toronto
LEON HAIAT HOLDINGS LIMITED	583535	April 11, 1984	Toronto
LEOREN HOLDINGS LIMITED	583610	April 12, 1984	North York
LINEN PLUS LIMITED	583082	April 10, 1984	Toronto
LISKEARD TRANSPORT INC.	583614	April 12, 1984	Orillia
LOCKE & MORTON, INCORPORATED	580916	April 9, 1984	Bewdley
LONDINIUM COINS INC.	583479	April 10, 1984	North York
LOU BARB COURIER LTD.	583405	April 10, 1984	Thornhill
LUBETH FOOD MART INC.	582965	April 9, 1984	Collingwood
LUEN WOO INVESTMENTS LTD.	582923	April 9, 1984	Toronto
LYNN FLORISTS INC.	582972	April 9, 1984	Scarborough
M.H. CONSULTANTS LTD.	583467	April 10, 1984	Toronto
MAIDS UNLIMITED INC.	582998	April 9, 1984	Niagara Falls
MARDON SPORTS PRODUCTIONS INC.	583589	April 12, 1984	Etobicoke
MARIDEAN INVESTMENTS LTD.	583575	April 12, 1984	Downsview
MARK 1 TOOL COMPANY LIMITED	571491	April 6, 1984	London
MARLBOROUGH CONSTRUCTION LIMITED ..	583530	April 11, 1984	Weston
MARLIN CONTROLS INC.	582966	April 9, 1984	Brampton
MARY BLACK GRAPHICS INC.	583504	April 11, 1984	Toronto
MASTER MASONRY LTD.	510569	April 6, 1984	Sudbury
MAX FEIG HOLDINGS INC.	583459	April 10, 1984	Downsview
MCCLEAN ELECTRICAL CONTRACTORS INC.	583431	April 10, 1984	Islington
MCINTOSH CRAWLEY VISUAL INFORMATION PROCESSING CORP.	582964	April 9, 1984	Toronto
MELCHIOR CONSTRUCTION LTD.	583607	April 12, 1984	Barrie
METRO OXYGEN INCORPORATED	583728	April 13, 1984	Toronto
MIKE VERI AUTO COLLISION AND RUST REPAIR LTD.	583099	April 11, 1984	Fergus
MISHARI INVESTMENT CORPORATION	582986	April 9, 1984	Toronto
MOLINE AIR SYSTEMS CORPORATION	583488	April 10, 1984	Mississauga
MONASHEE OFFICE MANAGEMENT LIMITED	582933	April 9, 1984	Toronto
MONDAIR TRAVEL INC.	583562	April 11, 1984	Concord
MONEYWARE INC.	583653	April 13, 1984	Toronto
MORVEN CONSTRUCTION LTD.	548194	April 11, 1984	Napanee
N & A DELIVERY INC.	582992	April 9, 1984	Guelph
N.T.C. TRUCKING LIMITED	582999	April 9, 1984	Timmins
N.Z.B. HOLDING CORPORATION	583500	April 11, 1984	Weston
NATIONAL HOME EARTH STATIONS INC. ..	582989	April 9, 1984	Barrie
NEIGHBORS RESOURCES INC.	583631	April 12, 1984	Toronto
NEWFAST LIMITED	571499	April 9, 1984	Oakville
NEWORLD ICE CREAM CORPORATION	583443	April 10, 1984	Weston
NIAGARA ROOFERS LIMITED	583670	April 13, 1984	Welland
NORSPEX LTD.	583434	April 10, 1984	Pickering
NORTHCOURSE CONSTRUCTION LIMITED ..	583711	April 13, 1984	Rexdale
NORTUK CONTRACTING LTD.	583704	April 13, 1984	Streetsville
NOVA-SHADE INC.	583462	April 10, 1984	Rexdale
OMI INSTALLATION SERVICES LIMITED	583403	April 10, 1984	Toronto
OPSTRAT INVESTMENTS INC.	583550	April 11, 1984	Toronto
ORLEANS GENERAL INSURANCE BROKERS LTD.	561717	April 9, 1984	Kanata
OSANI ENTERPRISES INC.	583557	April 11, 1984	Scarborough
OSWAL ENTERPRISES INC.	583476	April 10, 1984	Rexdale
OTTAWA STREET SUPERIOR SUPERMARKET LTD.	538769	April 9, 1984	Windsor
OUT OF THE WAY PLAYERS INC.	583455	April 10, 1984	Toronto
P. G. M. REALTY LTD.	583581	April 12, 1984	Oakville

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
P.A.R. RESTAURANTS INCORPORATED	583415	April 10, 1984	Kitchener
PADRE INNS INC.	571488	April 6, 1984	London
PAUL BARRON FILMS (CANADA) LIMITED ..	582971	April 9, 1984	Toronto
PAUL F. NIX ENTERPRISES LIMITED	583000	April 9, 1984	Toronto
PAULA SALVATORE INVESTMENTS LIMITED	583681	April 13, 1984	Toronto
PEAK HONG INC.	583618	April 12, 1984	Scarborough
PEARL HAMPTON INSURANCE BROKERS LTD.	583640	April 12, 1984	Peterborough
PENINSULA SECURITY INC.	539328	April 11, 1984	Marathon
PENMAR PLUMBING AND HEATING SUPPLIES ONTARIO LTD	583440	April 10, 1984	Toronto
PERSONALIZED FOOD SERVICES (1984) LTD.	583514	April 11, 1984	Toronto
PETE & MARTYS (COLLEGE PARK) LIMITED	582941	April 9, 1984	Toronto
PETER CRAIG BASALYGO ENTERPRISES INC.	583549	April 11, 1984	Toronto
PLASTIFLEX/SPIRALOCK CANADA INC.	583678	April 13, 1984	Mississauga
POPLAR PLAINS MANAGEMENT LTD.	583404	April 10, 1984	Toronto
PRIORITY CAPITAL CORPORATION	561723	April 10, 1984	Ottawa
PRO-TEAM CONSTRUCTION & RENOVATIONS LTD.	583656	April 13, 1984	Downsview
PROCARE MEDICAL SYSTEMS INC.	582929	April 9, 1984	Aurora
PYGER SALES LTD.	564137	April 10, 1984	Newtonville
QUALIFIRST FOODS LTD.	583490	April 11, 1984	Toronto
QUISMET ENTERPRISES LIMITED	583529	April 11, 1984	Toronto
R. & L. HEATING LTD.	582996	April 9, 1984	Timmins
RAY BELAND DISTRIBUTORS LTD.	510570	April 6, 1984	Sudbury
RAY GREENWOOD AND SON LOGGING CONTRACTORS LTD.	571511	April 10, 1984	Dinorwic
RECYCLED PAPER PRODUCTS CANADA LIMITED	583701	April 13, 1984	Toronto
RED DALE HOLDINGS LTD.	581952	April 9, 1984	Stratford
REFS CONSULTING LTD.	583699	April 13, 1984	Toronto
RENAISSANCE LIVERY CO. LIMITED	583611	April 12, 1984	Toronto
RENE DOORNEKAMP CONTRACTING LTD. .	548195	April 11, 1984	Napanee
RENLAND INVESTMENTS LTD.	582984	April 9, 1984	Maple
RICCARDO COIFFURE LTD.	582961	April 9, 1984	Toronto
RO-AN PROPERTY LIMITED	583042	April 6, 1984	Halton Hills
ROBERT SHANNON SPORTS INC.	583674	April 13, 1984	Toronto
ROLF HEINECKE PHOTOGRAPHY LTD.	583648	April 13, 1984	Toronto
ROLLING HILLS RESTAURANT & MOTEL INC.	583460	April 10, 1984	Coldwater
RON ADAMS TRUCK PARTS LIMITED	582937	April 9, 1984	Toronto
ROSGREN INVESTMENTS LIMITED	583419	April 10, 1984	Willowdale
ROSS STECKLEY DEVELOPMENTS INC.	583084	April 10, 1984	New Hamburg
ROY & COMTOIS ENTERPRISES INC.	583641	April 12, 1984	Timmins
ROYAL R INVESTMENTS (1984) LTD.	583447	April 10, 1984	Toronto
ROYSUB INC.	583407	April 10, 1984	Toronto
RYTEB MAINTENANCE SERVICES LIMITED	581906	April 10, 1984	Toronto
S. B. ARCHITECTURAL DESIGNS INCORPORATED	583642	April 12, 1984	Richmond Hill
S. T. A. CONSULTANTS INC.	583585	April 12, 1984	Mississauga
SANDFORD COMPUTER SYSTEMS INC.	583501	April 11, 1984	Toronto
SANDRINGHAM CAPITAL SERVICES CORP. .	582954	April 9, 1984	Downsview
SCREEN DIMENSIONS INC.	583689	April 13, 1984	Chatham
SEA-CALL COMMODITIES LTD.	583105	April 11, 1984	Toronto
SEBASTIAN TERZO HAIR DESIGN INC.	583732	April 13, 1984	Scarborough
SEC METALCRAFT LTD	583547	April 11, 1984	Weston
SELBY QUARRY CO. LTD.	548193	April 9, 1984	Napanee
SER WONG FUN RESTAURANT LIMITED	582892	April 9, 1984	Toronto
SEVERN EXCAVATION LTD.	582938	April 9, 1984	Washago
SHERAZAD ENTERPRISES LTD.	582940	April 9, 1984	Scarborough

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
SLEEP MART LTD	561712	April 6, 1984	Kanata
SOCCI INSURANCE AGENCY LIMITED	583435	April 10, 1984	Willowdale
SOMERLED TECHNICAL SERVICES INC.	561724	April 10, 1984	Manotick
SOMMERSET GROCERY & DELHI (1984) LTD	561728	April 11, 1984	Ottawa
SONJO CRAFT-PAK INC.	583719	April 13, 1984	Scarborough
SOUTHDOWN TRAVEL SERVICES INC.	583426	April 10, 1984	Toronto
ST JEROME RESTAURANT PROPERTIES INC	583671	April 13, 1984	Toronto
STAR FLOWERS, VIDEO & GIFTS LTD.	583598	April 12, 1984	Toronto
STOLWARD INVESTMENTS LIMITED	583420	April 10, 1984	Downsview
STRATEGIC BUSINESS DEVELOPMENT, LTD.	583729	April 13, 1984	Toronto
STUDENT PAINTING INC.	583584	April 12, 1984	Toronto
STUDIO DEPOT INCORPORATED	583441	April 10, 1984	Grimsby
STYLAND BUILDING CORPORATION	583531	April 11, 1984	Downsview
SUGARSTOP COFFEE & DONUTS INC.	582985	April 9, 1984	Mississauga
SUMMERSTOWN MARINA SALES & SERVICE LTD.	583486	April 10, 1984	Toronto
SUPERSPACE CLOSETS INC.	583628	April 12, 1984	Etobicoke
SWEET DREAMS LINGERIE & FASHIONS LIMITED	583072	April 10, 1984	Guelph
TADDLECREEK PRODUCTIONS LTD.	583597	April 12, 1984	Toronto
TAPO-WINGO YACHTING LTD.	583485	April 10, 1984	Orillia
TAZBAZ GALLERIES LIMITED	583449	April 10, 1984	Oakville
TEDFORD VIDEOS INC.	582913	April 6, 1984	Owen Sound
TEL TRADE SHOW SERVICES LIMITED	583541	April 11, 1984	Toronto
TELE-NATIONAL NETWORK VIDEO INC. ...	583051	April 9, 1984	Toronto
TEN AUTOBODY LTD	582953	April 9, 1984	Toronto
TERCHEK INVESTMENTS LTD.	582983	April 9, 1984	Toronto
TERRYTOWN ESTATES INC.	582912	April 6, 1984	Puslinch
THE ARCHER GREENE PRINTING GROUP INC	583643	April 12, 1984	Toronto
THE BARRINGTON GROUP LIMITED	583525	April 11, 1984	Toronto
THE ORIGINAL GLITTER GLOVE CO. LTD. .	583427	April 10, 1984	North York
THE PAGURIAN INVESTMENT CORPORATION LIMITED	583465	April 10, 1984	Toronto
THE STONE STORE NATURAL FOODS LTD. .	583098	April 11, 1984	Guelph
THE VHS-BETA HOTLINE LTD.	583652	April 13, 1984	Toronto
THE ZETRA GROUP INC.	583445	April 10, 1984	West Hill
TIBBERMORE ENTERPRISES LTD.	583074	April 10, 1984	Pembroke
TOMAR PAVING & CONSTRUCTION LTD. ...	582990	April 9, 1984	Brampton
TONY CEMENT LTD.	583543	April 11, 1984	Toronto
TOP TURF LTD.	583677	April 13, 1984	Toronto
TORYORK INDUSTRIAL PARK INC.	583694	April 13, 1984	Toronto
TOYS & PALS INC.	571510	April 10, 1984	Corunna
TRELAN INVESTMENTS LTD.	583560	April 11, 1984	Toronto
TRIPLE A FARMS LIMITED	571509	April 9, 1984	London
TRIPLE ARROW GRAPHICS INC.	581855	April 10, 1984	Thunder Bay
TROUTLING BAY LIMITED	583492	April 11, 1984	Willowdale
U S C & ASSOCIATES INCORPORATED	581830	April 2, 1984	Scarborough
UMG CABLE TELECOMMUNICATIONS INC. .	583464	April 10, 1984	Islington
UNIQUE TIMES (1984) INC.	583524	April 11, 1984	Mississauga
UNIRECO INDUSTRIES INC.	583602	April 12, 1984	Richmond Hill
UNIWORLD TRAVEL & TOURS INC.	583507	April 11, 1984	North York
VALLEYGATE DEVELOPMENTS INC.	583626	April 12, 1984	Sudbury
VICTOR OFFICE SERVICES LIMITED	583561	April 11, 1984	Mississauga
VIP PROPERTY MANAGEMENT LTD.	583078	April 10, 1984	Belleville
VISCOUNT INNOVATIONS INCORPORATED .	582967	April 9, 1984	Toronto
W. MARTIN PLASTICS LIMITED	583721	April 13, 1984	Durham
WABASSI INVESTMENTS LIMITED	583512	April 11, 1984	Toronto
WAKANIOTEN DEVELOPMENT CORPORATION	583571	April 11, 1984	Fort Erie
WALJAC'S RESTAURANT INC.	582927	April 9, 1984	Belleville

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WENDY FAITH INVESTMENTS LTD.	583700	April 13, 1984	Willowdale
WESTBRAM HOLDINGS LIMITED	583511	April 11, 1984	Toronto
WESTLOCK HEATING & AIR CONDITIONING LIMITED	583474	April 10, 1984	North York
WHARTON BUILDING CORPORATION LIMITED	583526	April 11, 1984	Mississauga
WHITE LAKE LODGE INC.	539326	April 11, 1984	White River
WILD DUCK MANAGEMENT INC.	583649	April 13, 1984	Mississauga
WILLIAM HUCKELL AND SON CONTRACTING LTD.	571489	April 6, 1984	Dinorwic
WINDY PINE ESTATES INC.	582987	April 9, 1984	Mississauga
YING KING CHINESE RESTAURANT INC. ...	583418	April 10, 1984	Toronto
ZDENO CYCLE WAREHOUSE LTD.	583495	April 11, 1984	Don Mills
4A PLASTICS RECYCLING LTD.	583546	April 11, 1984	Cambridge
510567 ONTARIO INC.	510567	April 6, 1984	Garson
510568 ONTARIO INC.	510568	April 6, 1984	Sudbury
510571 ONTARIO INC.	510571	April 9, 1984	Sudbury
538765 ONTARIO LTD.	538765	April 6, 1984	Windsor
538768 ONTARIO INC.	538768	April 6, 1984	Harrow
538770 ONTARIO LTD.	538770	April 9, 1984	Windsor
538771 ONTARIO LIMITED	538771	April 10, 1984	Windsor
539299 ONTARIO LIMITED	539299	Mar. 8, 1984	Thunder Bay
539323 ONTARIO INC.	539323	April 9, 1984	Nipigon
539329 ONTARIO LIMITED	539329	April 11, 1984	Thunder Bay
561713 ONTARIO LIMITED	561713	April 6, 1984	Ottawa
561715 ONTARIO INC.	561715	April 6, 1984	Greely
561718 ONTARIO INC.	561718	April 9, 1984	Ottawa
561719 ONTARIO LIMITED	561719	April 9, 1984	Ottawa
561726 ONTARIO INC.	561726	April 11, 1984	Kanata
564134 ONTARIO LIMITED	564134	April 6, 1984	Peterborough
564138 ONTARIO LIMITED	564138	April 10, 1984	Peterborough
571496 ONTARIO INC.	571496	April 6, 1984	London
571497 ONTARIO LIMITED	571497	April 6, 1984	Centralia
571500 ONTARIO LIMITED	571500	April 9, 1984	Echo Bay
571501 ONTARIO LIMITED	571501	April 9, 1984	Corunna
571503 ONTARIO LIMITED	571503	April 9, 1984	Downsview
571505 ONTARIO INC.	571505	April 9, 1984	London
571506 ONTARIO LTD.	571506	April 9, 1984	Zurich
571508 ONTARIO LIMITED	571508	April 9, 1984	Denfield
571512 ONTARIO LIMITED	571512	April 10, 1984	London
571513 ONTARIO INC.	571513	April 11, 1984	Dashwood
571514 ONTARIO INC.	571514	April 11, 1984	London
571515 ONTARIO INC.	571515	April 11, 1984	Aylmer
571516 ONTARIO INC.	571516	April 11, 1984	London
571518 ONTARIO INC.	571518	April 11, 1984	London
580891 ONTARIO INC.	580891	April 9, 1984	Welland
580993 ONTARIO INC.	580993	April 9, 1984	London
581803 ONTARIO INC.	581803	April 11, 1984	Kenora
581813 ONTARIO LIMITED	581813	April 12, 1984	Gravenhurst
581858 ONTARIO LTD.	581858	April 6, 1984	Niagara Falls
581907 ONTARIO INC.	581907	April 10, 1984	Windsor
581908 ONTARIO INC.	581908	April 6, 1984	Fort Erie
581984 ONTARIO LTD.	581984	April 12, 1984	Cambridge
581996 ONTARIO LIMITED	581996	April 12, 1984	Toronto
582917 ONTARIO LTD.	582917	April 9, 1984	Willowdale
582928 ONTARIO LIMITED	582928	April 9, 1984	Bramalea
582936 ONTARIO LIMITED	582936	April 9, 1984	Barrie
582944 ONTARIO LIMITED	582944	April 9, 1984	Downsview
582945 ONTARIO LIMITED	582945	April 9, 1984	Downsview
582946 ONTARIO INC.	582946	April 9, 1984	Toronto
582949 ONTARIO LIMITED	582949	April 9, 1984	Toronto
582950 ONTARIO LTD.	582950	April 9, 1984	Toronto
582952 ONTARIO LTD.	582952	April 9, 1984	Toronto

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
582955 ONTARIO LIMITED	582955	April 9, 1984	Toronto
582956 ONTARIO LTD.	582956	April 9, 1984	Mississauga
582958 ONTARIO LIMITED	582958	April 9, 1984	Mississauga
582959 ONTARIO LIMITED	582959	April 9, 1984	Mississauga
582960 ONTARIO INC.	582960	April 9, 1984	Sault Ste. Marie
582963 ONTARIO INC.	582963	April 9, 1984	Toronto
582968 ONTARIO LIMITED	582968	April 9, 1984	Downsview
582969 ONTARIO INC.	582969	April 9, 1984	Scarborough
582970 ONTARIO LIMITED	582970	April 9, 1984	Scarborough
582973 ONTARIO LIMITED	582973	April 9, 1984	Etobicoke
582974 ONTARIO LTD.	582974	April 9, 1984	Scarborough
582975 ONTARIO LIMITED	582975	April 9, 1984	Oshawa
582976 ONTARIO LIMITED	582976	April 9, 1984	Mississauga
582988 ONTARIO LIMITED	582988	April 9, 1984	Guelph
582991 ONTARIO INC.	582991	April 9, 1984	Niagara Falls
583034 ONTARIO INC.	583034	April 6, 1984	Bracebridge
583035 ONTARIO INC.	583035	April 6, 1984	Kitchener
583036 ONTARIO INC.	583036	April 9, 1984	Kitchener
583038 ONTARIO INC.	583038	April 9, 1984	St. Catharines
583039 ONTARIO LIMITED	583039	April 6, 1984	Cochrane
583043 ONTARIO INC.	583043	April 6, 1984	Guelph
583075 ONTARIO LIMITED	583075	April 10, 1984	Kitchener
583076 ONTARIO LIMITED	583076	April 10, 1984	Concord
583079 ONTARIO LIMITED	583079	April 10, 1984	Thornhill
583080 ONTARIO INC.	583080	April 10, 1984	Wallaceburg
583086 ONTARIO INC.	583086	April 10, 1984	Ridgeway
583096 ONTARIO LIMITED	583096	April 11, 1984	Oakville
583402 ONTARIO INC.	583402	April 10, 1984	Toronto
583406 ONTARIO INC.	583406	April 10, 1984	Scarborough
583411 ONTARIO LIMITED	583411	April 10, 1984	Toronto
583413 ONTARIO LIMITED	583413	April 10, 1984	Toronto
583414 ONTARIO LIMITED	583414	April 10, 1984	Toronto
583422 ONTARIO LIMITED	583422	April 10, 1984	Toronto
583423 ONTARIO LTD.	583423	April 10, 1984	Concord
583428 ONTARIO INC.	583428	April 10, 1984	Waterloo
583429 ONTARIO INC.	583429	April 10, 1984	Waterloo
583430 ONTARIO LIMITED	583430	April 10, 1984	Pefferlaw
583432 ONTARIO LIMITED	583432	April 10, 1984	Toronto
583433 ONTARIO LTD.	583433	April 10, 1984	Toronto
583436 ONTARIO INC.	583436	April 10, 1984	Burlington
583437 ONTARIO LIMITED	583437	April 10, 1984	Mississauga
583444 ONTARIO LTD.	583444	April 10, 1984	Welland
583448 ONTARIO LIMITED	583448	April 10, 1984	Scarborough
583451 ONTARIO LIMITED	583451	April 10, 1984	Richmond Hill
583454 ONTARIO LIMITED	583454	April 10, 1984	Mississauga
583458 ONTARIO LIMITED	583458	April 10, 1984	Markham
583461 ONTARIO LTD.	583461	April 10, 1984	Toronto
583470 ONTARIO INC.	583470	April 10, 1984	Mississauga
583472 ONTARIO LIMITED	583472	April 10, 1984	Schumacher
583477 ONTARIO LTD.	583477	April 10, 1984	Rexdale
583487 ONTARIO INC.	583487	April 10, 1984	Sarnia
583493 ONTARIO LIMITED	583493	April 11, 1984	Emsdale
583498 ONTARIO LIMITED	583498	April 11, 1984	Toronto
583499 ONTARIO LIMITED	583499	April 11, 1984	Downsview
583505 ONTARIO INC.	583505	April 11, 1984	Hamilton
583515 ONTARIO LIMITED	583515	April 11, 1984	Toronto
583518 ONTARIO INC.	583518	April 11, 1984	Oakville
583520 ONTARIO LIMITED	583520	April 11, 1984	Toronto
583521 ONTARIO LIMITED	583521	April 11, 1984	Brampton
583522 ONTARIO LIMITED	583522	April 11, 1984	Downsview
583532 ONTARIO LIMITED	583532	April 11, 1984	Willowdale
583533 ONTARIO LIMITED	583533	April 11, 1984	Willowdale
583534 ONTARIO LIMITED	583534	April 11, 1984	Willowdale

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
583538 ONTARIO INC.	583538	April 11, 1984	Unionville
583540 ONTARIO LTD.	583540	April 11, 1984	Oakville
583545 ONTARIO LTD.	583545	April 11, 1984	Toronto
583548 ONTARIO LIMITED	583548	April 11, 1984	Mississauga
583556 ONTARIO LIMITED	583556	April 11, 1984	Weston
583563 ONTARIO LTD.	583563	April 11, 1984	Cambellville
583567 ONTARIO LTD.	583567	April 11, 1984	Cambridge
583574 ONTARIO INC.	583574	April 12, 1984	Addison
583577 ONTARIO INC.	583577	April 12, 1984	Toronto
583578 ONTARIO INC.	583578	April 12, 1984	Toronto
583582 ONTARIO LIMITED	583582	April 12, 1984	Toronto
583586 ONTARIO LIMITED	583586	April 12, 1984	Willowdale
583592 ONTARIO LIMITED	583592	April 12, 1984	Toronto
583593 ONTARIO LIMITED	583593	April 12, 1984	Toronto
583594 ONTARIO LIMITED	583594	April 12, 1984	Toronto
583596 ONTARIO LTD.	583596	April 12, 1984	Willowdale
583603 ONTARIO LIMITED	583603	April 12, 1984	Toronto
583604 ONTARIO LIMITED	583604	April 12, 1984	Toronto
583605 ONTARIO LIMITED	583605	April 12, 1984	Rexdale
583608 ONTARIO INC.	583608	April 12, 1984	Scarborough
583617 ONTARIO LIMITED	583617	April 12, 1984	Guelph
583621 ONTARIO LIMITED	583621	April 12, 1984	Scarborough
583622 ONTARIO LIMITED	583622	April 12, 1984	Scarborough
583627 ONTARIO INC.	583627	April 12, 1984	Kitchener
583629 ONTARIO INC.	583629	April 12, 1984	Toronto
583636 ONTARIO LIMITED	583636	April 12, 1984	Toronto
583647 ONTARIO LIMITED	583647	April 13, 1984	Toronto
583651 ONTARIO LIMITED	583651	April 13, 1984	Downsview
583655 ONTARIO INC.	583655	April 13, 1984	Etobicoke
583658 ONTARIO LIMITED	583658	April 13, 1984	Toronto
583659 ONTARIO LIMITED	583659	April 13, 1984	Toronto
583660 ONTARIO INC.	583660	April 13, 1984	Toronto
583661 ONTARIO LIMITED	583661	April 13, 1984	Toronto
583662 ONTARIO LIMITED	583662	April 13, 1984	Toronto
583665 ONTARIO INC.	583665	April 13, 1984	Scarborough
583666 ONTARIO LIMITED	583666	April 13, 1984	Toronto
583667 ONTARIO LIMITED	583667	April 13, 1984	North Bay
583668 ONTARIO LIMITED	583668	April 13, 1984	Toronto
583673 ONTARIO LIMITED	583673	April 13, 1984	Don Mills
583675 ONTARIO INC.	583675	April 13, 1984	Thornhill
583679 ONTARIO LIMITED	583679	April 13, 1984	Burlington
583682 ONTARIO INC.	583682	April 13, 1984	Newmarket
583683 ONTARIO INC.	583683	April 13, 1984	Downsview
583684 ONTARIO INC.	583684	April 13, 1984	Downsview
583685 ONTARIO INC.	583685	April 13, 1984	Downsview
583687 ONTARIO INC.	583687	April 13, 1984	Woodbridge
583690 ONTARIO LTD.	583690	April 13, 1984	Scarborough
583693 ONTARIO LIMITED	583693	April 13, 1984	Willowdale
583702 ONTARIO LIMITED	583702	April 13, 1984	Toronto
583706 ONTARIO INC.	583706	April 13, 1984	Toronto
583708 ONTARIO LIMITED	583708	April 13, 1984	Willowdale
583712 ONTARIO LTD.	583712	April 13, 1984	Toronto
583713 ONTARIO INC.	583713	April 13, 1984	Toronto
583716 ONTARIO LIMITED	583716	April 13, 1984	Hamilton
583720 ONTARIO INC.	583720	April 13, 1984	Toronto
583722 ONTARIO INC.	583722	April 13, 1984	Toronto
583723 ONTARIO LIMITED	583723	April 13, 1984	Hamilton
583724 ONTARIO LTD.	583724	April 13, 1984	Toronto
583727 ONTARIO LIMITED	583727	April 13, 1984	Burlington
583730 ONTARIO INC.	583730	April 13, 1984	Toronto
888 PROPERTY MANAGEMENT LIMITED	583478	April 10, 1984	Toronto

E. J. WELLS, LL.B.,
Director, Companies Branch.

Letters Patent of Incorporation Issued

NOTICE IS HEREBY GIVEN that, under the *Corporations Act*, Letters Patent have been issued to:

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Head Office
ABDUL HAFIZ MAHMASSANI MOSQUE (without share capital)	580954	April 9, 1984	Don Mills
ASSOCIAZIONE MARIA S.S. DEL ROSARIO DI WINDSOR (without share capital)	581963	April 10, 1984	Windsor
BARRHAVEN LIONS CLUB (without share capital)	581964	April 9, 1984	Nepean
BURGENLAENDER CLUB (TORONTO) INC. (without share capital)	581967	April 6, 1984	Scarborough
CENTRAL ONTARIO PLEASURE DRIVING ASSOCIATION (without share capital)	583010	April 10, 1984	Hillsburgh
CLUB SOCIAL DEPORTIVO Y CULTURAL BARCELONA OF TORONTO (without share capital)	580873	April 4, 1984	Metro. Toronto
ESSEX DISTRICT PISTOL CLUB (without share capital)	581805	April 4, 1984	Gosfield
EXETER MINOR HOCKEY ASSOCIATION (without share capital)	579701	Mar. 5, 1984	Exeter
GIROTONDO PARENT CHILD CENTRE (without share capital)	579777	Mar. 28, 1984	Metro. Toronto
HAMILTON ASSOCIATION FOR INFANTS EXPERIENCING APNEA (without share capital)	578567	Feb. 24, 1984	Hamilton
HOI PING BENEVOLENT SOCIETY OF ONTARIO (without share capital)	583017	April 9, 1984	Metro. Toronto
INDIAN BUSINESS & PROFESSIONALS' ASSOCIATION OF WINDSOR (without share capital)	553012	April 9, 1984	Windsor
LIMERIDGE ROAD PROPERTY OWNERS INTEREST GROUP INC. (without share capital)	583111	April 11, 1984	Hamilton
LINCOLN MINOR HOCKEY ASSOCIATION INC. (without share capital)	580893	Mar. 16, 1984	Lincoln
THE LIONS CLUB OF SAULT STE. MARIE HOUSING CORPORATION (without share capital)	576548	April 4, 1984	Sault Ste. Marie
MESSINESI CLUB OF ONTARIO (without share capital)	581809	Mar. 23, 1984	Vaughan
THE MEYER AND IDELLE WEINSTOCK CHARITABLE FOUNDATION (without share capital)	579773	April 9, 1984	North York
THE MISSISSAUGA ASSOCIATION FOR THE MENTALLY RETARDED FOUNDATION (without share capital)	580987	April 9, 1984	Mississauga
MOUNTAINVIEW MALL MERCHANTS ASSOCIATION (without share capital)	579742	April 10, 1984	Metro. Toronto
THE NORTHEASTERN ONTARIO TELEHEALTH NETWORK INC. RESEAU DE TELE-SANTE DU NORD-EST ONTARIEN (without share capital)	578436	Mar. 5, 1984	Sudbury
OLD HASTINGS SNOW RIDERS (without share capital)	581901	April 9, 1984	Belleville
ONTARIO CENTRE FOR THE PREVENTION OF CHILD ABUSE (without share capital)	581938	April 2, 1984	Toronto
OPERATION BOOTSTRAP INCORPORATED (without share capital)	583045	April 12, 1984	Toronto
PETERBOROUGH RAPE CRISIS CENTRE (without share capital)	579667	April 10, 1984	Peterborough
PINNACLE MALL MERCHANTS ASSOCIATION (without share capital)	583026	April 5, 1984	Renfrew

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Head Office
QUINTE ADDICTIONS GROUP INC. (without share capital)	578593	Feb. 27, 1984	Belleville
QUINTE ARTS COUNCIL (without share capital)	580819	April 4, 1984	Belleville
ROMANIAN CHRISTIAN AID OF CANADA (without share capital)	581918	April 9, 1984	Wallenstein
SLOVENSKI NARODNI DOM-LIPA PARK OF NIAGARA REGION (without share capital)	578418	April 9, 1984	Pelham
SPREAD-SOCIETY FOR PROFESSIONAL RESOURCES EXCHANGE AND DEVELOPMENT INTERNATIONAL (without share capital)	579601	April 10, 1984	North York
UXBRIDGE BLACK HAWKS SPORTS INC. (without share capital)	578434	April 12, 1984	Uxbridge
116 INDEPENDENT FIELD BATTERY ROYAL CANADIAN ARTILLERY (M) UNIT FUND (without share capital)	580846	April 6, 1984	Kenora

E. J. WELLS, LL.B.,
Director, Companies Branch.

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Certificates of Amalgamation

NOTICE IS HEREBY GIVEN that a certificate of amalgamation under the *Business Corporations Act* has been endorsed:

Name of Amalgamated Corporation	Ontario Corp. No.	Effective Date	Names of Amalgamating Corporations
BIAMONTE BROS. COMPANY LIMITED	581985	April 13, 1984	Biamonte Bros. Company Limited Cataract Bowling Limited
S.R. EISNER LTD.	583559	April 11, 1984	S.R. Eisner Ltd. 467947 Ontario Limited
METEOR BUILDING SUPPLIES LIMITED	583612	April 12, 1984	Meteor Building Supplies Limited Mosemark Construction Limited
PATHFINDER ESTATES LIMITED	583637	April 12, 1984	Pathfinder Estates Limited Pathco Holdings Limited
S&C FLEXO-GRAPHICS INC.	583747	April 16, 1984	S & C Flexo-Graphics Inc. 541675 Ontario Limited
THE UTILITIES MANAGEMENT GROUP (1984) LIMITED	583463	April 10, 1984	The Utilities Management Group Limited Brockville Cable Telecommunications Inc. Smiths Falls Cable Telecommunications Inc. Media House Limited Northumberland Cable TV Limited

E. J. WELLS, LL.B.,
Director, Companies Branch.

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Certificates of Continuance

NOTICE IS HEREBY GIVEN that a certificate of continuance under the *Business Corporations Act*, has been endorsed:

Name of Corporation	Ontario Corp. No.	Effective Date	Registered Office
CANADIAN ARTIFICIAL INTELLIGENCE PRODUCTS CORPORATION (formerly 129943 Canada Limited)	579120	April 12, 1984	Nepean
FLEETWOOD HOMES OF ALBERTA, LTD. ..	581940	April 13, 1984	Toronto
PMC PIONEER POWER PRODUCTS INC.	424725	April 10, 1984	Toronto
RHODES-VAUGHAN REINFORCING LIMITED	466038	Mar. 30, 1984	Gloucester

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Transfer of Ontario Corporations

NOTICE IS HEREBY GIVEN that, under the *Business Corporations Act*, an authorization to make an application for an instrument of continuance outside Ontario, has been given to:

Name of Corporation	Ontario Corp. No.	Effective Date	Jurisdiction Where Applying
GEO. HUME HOLDINGS (KINGSTON) LTD. ...	89552	April 11, 1984	British Columbia
HUME HOLDINGS (ONTARIO) LTD.	86378	April 11, 1984	British Columbia
LINDHILL HOLDINGS LIMITED	367529	April 13, 1984	Canada

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Restated Certificates of Incorporation

NOTICE IS HEREBY GIVEN that a restated certificate of incorporation under the *Business Corporations Act*, has been endorsed:

Name of Corporation	Ontario Corp. No.	Effective Date
BRANTHAVEN HOMES LIMITED	244768	April 16, 1984
DAVRED INVESTMENTS INC.	223204	April 10, 1984
GENERAL TIRE CANADA LIMITED GENERAL TIRE CANADA LIMITEE	253462	April 10, 1984
JKJ HOME ENTERTAINMENT INC.	475703	April 16, 1984
JOBON INC.	450646	April 16, 1984
THE MOVIE PLACE INC.	515829	April 16, 1984
VANZWOL TRUCKING LIMITED	247252	April 16, 1984
340392 ONTARIO LIMITED	340392	April 16, 1984

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Amendments to Articles

NOTICE IS HEREBY GIVEN that, under the *Business Corporations Act*, amendments to articles have been effected as follows:

Name of Corporation	Ontario Corp. No.	Effective Date
A. C. J. MANUFACTURING LTD.	365971	April 11, 1984
ACADEMIC PRESS CANADA LIMITED	115948	April 16, 1984
ADI INTERNATIONAL INC.	541785	April 12, 1984
ADTRAQ DATA SYSTEMS INC. (formerly 579936 Ontario Limited)	579936	April 11, 1984
ALUMAVENT INDUSTRIES LTD.	331475	April 9, 1984
ANTHES – UNIVERSAL LIMITED (formerly Corvent Developments Inc.) .	452733	April 13, 1984
APTEL PRODUCERS CORP. (formerly Teleforce International, Inc.)	572392	April 10, 1984
ASI CANADA INC. (formerly V.A.I. Limited)	289533	April 11, 1984
BAXCAN CONSTRUCTION LIMITED (formerly 582778 Ontario Limited). BEST COFFEE IN TOWN INC. (formerly Nationwide Gourmets (Niagara Inc.)	582778 475516	April 16, 1984 April 16, 1984
BLACKWELL PETROLEUM SERVICES LIMITED	493700	April 16, 1984
BRANTHAVEN HOMES LIMITED	244768	April 13, 1984
C. M. BUNSTON REALTY LIMITED	87953	April 16, 1984
BURLINGTON PERMA-COATINGS INC.	443175	April 9, 1984
C.B.R. RESTORATION SERVICES INC. (formerly C.B.R. Home Products Inc.)	521022	April 12, 1984
CANADA LEASE FINANCING LTD.	508192	April 11, 1984
CANADIAN EQUITY BUILDERS CORPORATION	440924	April 13, 1984
CANAVONDA NURSERY LIMITED	434141	April 10, 1984
CANCARP CONSTRUCTION LTD.	541365	April 10, 1984
CC CANADA HOLDINGS LTD.	423141	April 10, 1984
CENTURY 21 KEMPER REALTY INC. (formerly 251 Cooper House Limited)	292739	April 11, 1984
CHARLESMARK INVESTMENT CORPORATION	433507	April 11, 1984
CHIBRA DEVELOPMENT CORPORATION	401060	April 13, 1984
CLEAN ENERGY PRODUCTS INC. (formerly Four J. Farms Ltd.)	500723	April 10, 1984
CONTIKI TRAVEL (CANADA) LTD.	532455	April 13, 1984
CONTOUR CONSTRUCTION COMPANY LIMITED	205824	April 9, 1984
CRONIN – EMERY MECHANICAL LTD. (formerly Bill Cronin – Bob Emery Mechanical Ltd.)	535192	April 10, 1984
CROWN GRADING & SODDING LTD.	334241	April 13, 1984
DELUX ALUMINUM PRODUCTS (1977) LIMITED	358517	April 11, 1984
DALENE CORPORATION LIMITED	341905	April 16, 1984
S.R. DAVDANI DRUGS LTD.	426096	April 12, 1984
DENLORN FARMS LTD.	489888	April 10, 1984
DICICCO ENTERPRISES INC. (formerly Lambton Musical Instruments (Sarnia) Ltd.)	314264	April 16, 1984
DOLPHIN EDUCATIONAL SERVICES INC. (formerly Michael Roberts Promotions Inc.)	577174	April 12, 1984
DUNDEE-PALLISER RESOURCES INC.	51327	April 10, 1984
ED. ELDER TRAVEL LTD. (formerly Belluz & Elder Travel Ltd.)	501482	April 9, 1984
ELMVALE LUMBER CO. LTD.	296461	April 9, 1984
EMPIRE BLOODSTOCK AGENCY LTD.	551099	April 11, 1984
ENVIRONORTH ASSOCIATES INC. (formerly Northern Bioplan Associates Inc.)	575810	April 10, 1984
EXECUTIVE PLANNING INSURANCE AGENCIES LTD. (formerly Premium Savers Life Insurance Agencies Inc.)	310388	April 10, 1984
FELDENT ENTERPRISES INC. (formerly 512250 Ontario Limited)	512250	April 12, 1984
FELKER & FARQUHARSON INSURANCE BROKERS LTD. (formerly Stewart Farquharson Insurance Broker Ltd.)	551146	April 13, 1984
FER-MAR MECHANICAL WORK LTD.	503609	April 13, 1984
FIBERGLOSS PLASTICS DESIGN INC.	394862	April 10, 1984
FIDINAM PROPERTIES INC. LES IMMEUBLES FIDINAM INC. (formerly Schaan Amalgamated Properties Ltd.)	534881	April 16, 1984
FITZGERALD INSURANCE BROKERAGE LIMITED (formerly Fitzgerald Insurance Agency Limited)	434292	April 9, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
FLAMBORO GROUP INC.	402930	April 11, 1984
G.M.D. (FRONTENAC) LIMITED (formerly G.M.D. Limited)	506177	April 10, 1984
GABS INVESTMENTS LIMITED	274690	April 12, 1984
GALT WOOD TOOL LIMITED	426565	April 10, 1984
GALTACO INC.	416129	April 12, 1984
JOHN GARAY ENGINEERING LIMITED	352922	April 11, 1984
GENERAL AMERICAN TECHNOLOGIES INC.	267578	April 13, 1984
GOLDFOX CORP. (formerly Rajja Eerola Inc.)	448891	April 16, 1984
GRANTHAM FITNESS CENTRE INC. (formerly Cardillo's Health Studio Inc.)	442966	April 13, 1984
GREAT LAKES FOREST PRODUCTS LIMITED	41597	April 16, 1984
GREENBELT PROPERTY SERVICES LTD (formerly 582037 Ontario Limited)	582037	April 10, 1984
GRENADIER INTERNATIONAL LTD.	465270	April 9, 1984
HARMAC TRANSPORTATION INC. (formerly 567396 Ontario Inc.)	567396	April 13, 1984
HEALTH COURT FIGURES INC. (formerly 578204 Ontario Inc.)	578204	April 13, 1984
HI-TECH MEDICAL PRODUCTS INC. (formerly Chevron Medical Products Ltd.)	416345	April 12, 1984
HIGHLAND PRINTCRAFT LIMITED (formerly The Highland Press Limited)	224927	April 9, 1984
HOCQUARD, LIDDYCOAT & ASSOCIATES INSURANCE BROKERS LTD. (formerly E. J. Liddycoat Insurance Broker Ltd.)	491944	April 13, 1984
E. W. HOLLAND & SON LIMITED	459213	April 10, 1984
HOUSE OF CAESAR LTD. (formerly Falsetto Brothers Limited)	389671	April 11, 1984
HULL MINE MILL INSTALLATION CO. LTD. (formerly 490097 Ontario Inc.)	490097	April 10, 1984
IBER DEVELOPMENTS INC.	519319	April 11, 1984
J. G. WORDEN INTERNATIONAL INC. (formerly Bond-Bag Incorporated)	456278	April 9, 1984
JEDBURGH PROPERTIES LIMITED	411347	April 12, 1984
JEMINI MOTEL HOLDINGS INC.	562831	April 13, 1984
JKJ HOME ENTERTAINMENT INC.	475703	April 13, 1984
JNL EFT CONSULTING SERVICES INC. (formerly Goles & Assoc. Consulting & Investments Ltd.)	530798	April 11, 1984
JONOR HOLDINGS LIMITED	467961	April 13, 1984
K.T.G. GLASSWORKS TECHNOLOGY INC. (formerly Milton Glass Construction Ltd.)	422723	April 10, 1984
KENSETT DISTRIBUTORS INC (formerly Investadyne Limited)	443414	April 16, 1984
KOOTSTRA LIMITED	205552	April 10, 1984
KRAMBLE HOLDINGS INC. (formerly 403372 Ontario Limited)	403372	April 13, 1984
LSJ CASSETTE CORPORATION	389040	April 10, 1984
LAIDLAW WASTE SYSTEMS (CANADA) LTD. (formerly 503846 Ontario Limited)	503846	April 10, 1984
LAND MERCURY SALES (1978) LIMITED	389680	April 10, 1984
LENHARDT MARKETING & DISTRIBUTION INC. MICHAEL LENHARDT LIMITEE (formerly Michael Lenhardt Limited)	531752	April 11, 1984
LINCOLN HAMILTON INCORPORATED	563590	April 16, 1984
LITTLE OAK ENTERPRISES INC.	334732	April 9, 1984
M.G. COMMUNICATIONS INC.	309426	April 9, 1984
M.J. FIRE & DUCT CLEANING SERVICES LTD. (formerly M.J. Fire Security Ltd.)	499301	April 10, 1984
MACNAY'S GENERAL STORE LTD.	308948	April 12, 1984
MAGNUM INSURANCE BROKERS LIMITED (formerly 492544 Ontario Inc.)	492544	April 9, 1984
MAHARISHI TECHNOLOGY OF THE UNIFIED FIELD INC. (formerly Maharishi Technology of the United Field Inc.)	579997	April 10, 1984
MENYA INVESTMENTS LIMITED	309776	April 12, 1984
METRIC ELECTRIC INC. (formerly 445056 Ontario Limited)	445056	April 11, 1984
METRICAN HOLDINGS LIMITED (formerly Longway Manufacturing Inc.)	487019	April 9, 1984
MIDWAY MOTORS (WHITBY/OSHAWA) LIMITED (formerly Midway Datsun Limited)	534287	April 9, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
MILLS CUSTOM PHOTO LIMITED	388512	April 12, 1984
MOORE CORPORATION LIMITED	45226	April 11, 1984
MOORSHEAD PUBLICATIONS LIMITED (formerly Electronics Today International (Canada) Ltd.)	346577	April 13, 1984
MORBRAN INVESTMENTS LIMITED	205163	April 12, 1984
MORPAC PAVING LIMITED	570104	April 13, 1984
THE MOVIE PLACE INC.	515829	April 13, 1984
J.P. MUIR LIMITED	402164	April 11, 1984
MY HOLDING COMPANY INC.	568024	April 10, 1984
N.D.R. TECHNOLOGIES INC. (formerly 579553 Ontario Inc.)	579553	April 9, 1984
NAT PARBHOO HOLDINGS INC.	533297	April 10, 1984
NEWBRUN RESOURCES LTD.	582793	April 13, 1984
OAKBOROUGH DEVELOPMENTS INC.	241627	April 16, 1984
OAKVILLE DODGE CHRYSLER LIMITED (formerly 571142 Ontario Limited)	571142	April 12, 1984
OMNISPORT INTERNATIONAL INC.	344064	April 13, 1984
O-PEE-CHEE COMPANY LIMITED	490997	April 11, 1984
P.A. FABRICATORS LTD.	449198	April 13, 1984
P.R. ENGINEERING LIMITED	144717	April 12, 1984
P.R. GRIECO HOLDINGS LIMITED	568379	April 12, 1984
PALCRO MANAGEMENT CORPORATION	360456	April 13, 1984
PARIS CONSTRUCTION COMPANY LIMITED	78556	April 9, 1984
PARK LINCOLN-MERCURY SALES LTD. (formerly Van Alphen Brothers Limited)	204939	April 11, 1984
PARKANYI ENTERPRISES LTD	470963	April 13, 1984
PATHEON HOLDINGS LTD.	477519	April 9, 1984
PAUL KITT HOLDINGS LTD. (formerly The Brown Funeral Home (Kenora 1966) Limited)	154131	April 9, 1984
PENINSULAIR LIMITED (formerly Glenair Distributors Limited)	573744	April 11, 1984
JOHN K. PENNINGTON INVESTMENTS LTD. (formerly Hydra Investments Limited)	484590	April 10, 1984
THE PETROLEUM CLUB INC.	441355	April 16, 1984
PLUS ONE ENGINEERING INC.	575490	April 11, 1984
M. S. POLLOCK INVESTMENTS LIMITED (formerly First Western Financial Corporation Ltd.)	360921	April 12, 1984
POPLAR (OAKVILLE) DEVELOPMENTS INC. (formerly 581406 Ontario Limited)	581406	April 10, 1984
S. POWER & ASSOCIATES INC. (formerly Power Global Trade Incorporated)	384488	April 13, 1984
PREMIUM SAVERS LIFE INSURANCE AGENCIES LTD. (formerly Executive Group Benefits Insurance Agencies Inc.)	563665	April 10, 1984
REDLAW INDUSTRIES INC.	383561	April 12, 1984
REED STENHOUSE ASSOCIATES LIMITED	435003	April 13, 1984
RONALD W. RIEGER INSURANCE BROKERS LIMITED (formerly Ronald W. Rieger Insurance Agencies Limited)	206879	April 9, 1984
ROSS HAWLEY LEASING LIMITED (formerly Hawley Pontiac Buick Cadillac Ltd.)	62594	April 12, 1984
RPM WELDING REPAIR SERVICE COMPANY LTD.	500027	April 16, 1984
SELJON INVESTMENTS LTD. (formerly 536679 Ontario Limited)	536679	April 11, 1984
SHADOW HOLDINGS LTD	509709	April 9, 1984
SHATURA INCORPORATED	536088	April 16, 1984
SILFAM INVESTMENTS LIMITED (formerly 534517 Ontario Limited) ...	534517	April 10, 1984
SKETCHLEY CLEANING SERVICES LIMITED-NETTOYER SERVICES SKETCHLEY LIMITEE	568988	April 10, 1984
SMITH & STONE (1982) INC.	527091	April 10, 1984
SOMAR TRANSMISSION LIMITED	501105	April 11, 1984
SPOTTON INC. (formerly John Spotton Company Limited)	65384	April 10, 1984
ST. LAWRENCE ALUMINUM FOIL LIMITED	102194	April 10, 1984
W.A. STEPHENSON MANAGEMENT LIMITED (formerly Heritage Park Developments Ltd.)	386514	April 13, 1984
D & L STEWART ANTIQUES AND TREASURES LIMITED (formerly 555681 Ontario Inc.)	555681	April 11, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
STONE ROAD TRI DONT MANAGEMENT INC. (formerly 578203 Ontario Inc.)	578203	April 13, 1984
SUNDOWN BAKERIES LTD.	570281	April 11, 1984
SUNRISE FILMS LIMITED	275366	April 10, 1984
SURE/ARC WELDING SUPPLY (1977) LIMITED	357744	April 16, 1984
TEENECO LIMITED	338217	April 10, 1984
TEREVEST HOLDINGS INCORPORATED	396054	April 11, 1984
THOMAS-MICHAEL ORLANDO LTD.	367599	April 10, 1984
THURGOOD & CO. LIMITED	114678	April 12, 1984
TINA'S FLOWER SHOPS LIMITED	220604	April 10, 1984
TOP OF THE RAINBOW DINING ROOMS INC. (formerly Panasonic Tower Dining Rooms Inc.)	495996	April 12, 1984
TRANSIT MECHANICAL SERVICES LTD. (formerly Transit Mechanical Ltd.)	442755	April 11, 1984
TRANS-GLOBAL VENDING SERVICES INC.	411808	April 11, 1984
TRILLIUM TRAVEL INC. (formerly Uniglobe Trillium Travel Inc.)	451506	April 10, 1984
TRIPLE "A" ANSWERING SERVICE LIMITED	237489	April 12, 1984
TURNBULL FARM DRAINAGE LTD. (formerly Fuller & Turnbull Farm Drainage Ltd.)	493732	April 11, 1984
UCB CUSTOMS BROKERS INC. (formerly Douglas J. Bowering Limited)	298502	April 1, 1984
ULTRASECURE TEMPEST RESEARCH CORPORATION (formerly Tempest Ultrasecure Systems Corporation)	582603	April 12, 1984
UNIX CANADA CORPORATION	488068	April 13, 1984
VAN DER VECHT ENTERPRISES INC.	260918	April 11, 1984
VANZWOL TRUCKING LIMITED	247252	April 13, 1984
VENTURA PICTURES INC.	413397	April 10, 1984
VILO FABRICATING LTD.	468586	April 10, 1984
THE WATCOM GROUP INC. (formerly Structured Computing Systems Limited)	282913	April 11, 1984
WHG REALTY CORPORATION INC.	426009	April 12, 1984
WINDSOR TRI DONT MANAGEMENT INC. (formerly 578200 Ontario Inc.)	578200	April 13, 1984
ZENA SOUND CORPORATION LTD. (formerly 574686 Ontario Inc.)	574686	April 16, 1984
230222 ONTARIO INC. (formerly Chinese Express Limited)	230222	April 11, 1984
304280 ONTARIO LIMITED	304280	April 9, 1984
340392 ONTARIO LIMITED	340392	April 13, 1984
384078 ONTARIO LIMITED	384078	April 12, 1984
419703 ONTARIO LTD.	419703	April 11, 1984
434056 ONTARIO LIMITED	434056	April 10, 1984
453260 ONTARIO LIMITED	453260	April 10, 1984
455532 ONTARIO LIMITED	455532	April 16, 1984
456012 ONTARIO LIMITED (formerly Tomken Printing Co. Ltd.)	456012	April 10, 1984
458728 ONTARIO LIMITED	458728	April 12, 1984
472588 ONTARIO LIMITED	472588	April 9, 1984
472602 ONTARIO LIMITED	472602	April 9, 1984
474269 ONTARIO LIMITED	474269	April 12, 1984
480320 ONTARIO INC.	480320	April 13, 1984
500604 ONTARIO LIMITED	500604	April 13, 1984
506678 ONTARIO LIMITED	506678	April 10, 1984
507583 ONTARIO LIMITED (formerly Greenbelt Property Services Inc)	507583	April 10, 1984
508675 ONTARIO LIMITED	508675	April 9, 1984
514927 ONTARIO LIMITED	514927	April 11, 1984
515038 ONTARIO LIMITED (formerly Export Tool & Welding Co. Limited)	515038	April 10, 1984
519823 ONTARIO LIMITED	519823	April 11, 1984
519918 ONTARIO LIMITED	519918	April 10, 1984
531550 ONTARIO LIMITED	531550	April 10, 1984
533872 ONTARIO LIMITED	533872	April 10, 1984
53693 ONTARIO INC. (formerly Peninsula Air Service Limited)	53693	April 11, 1984
537223 ONTARIO LIMITED	537223	April 16, 1984
551879 ONTARIO LIMITED	551879	April 11, 1984
558634 ONTARIO INC.	558634	April 16, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
562765 ONTARIO LIMITED (formerly Executive Planning Insurance Agencies Inc.)	562765	April 10, 1984
566625 ONTARIO LIMITED	566625	April 12, 1984
570161 ONTARIO LIMITED (formerly The Birds and the Bees Day Care Centre Ltd.)	570161	April 16, 1984
570318 ONTARIO INC.	570318	April 12, 1984
570733 ONTARIO INC.	570733	April 13, 1984
572982 ONTARIO LIMITED	572982	April 13, 1984
574448 ONTARIO INC.	574448	April 13, 1984

E. J. WELLS, LL.B.,
Director, Companies Branch.

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Supplementary Letters Patent Issued

NOTICE IS HEREBY GIVEN that, under the *Corporations Act*, Supplementary Letters Patent have been issued to:

Name of Corporation	Ontario Corp. No.	Effective Date
ARMSTRONG AREA CHAMBER OF COMMERCE	498550	Feb. 20, 1984
BACH-ELGAR CHORAL SOCIETY (Bach-Elgar Choir)	264554	Feb. 21, 1984
"HIPPOCRATES" HELLENIC CANADIAN MEDICAL ASSOCIATION OF ONTARIO	571915	April 6, 1984
NAMDHARI SANGAT CANADA (SOCIETY) ONT.	553200	April 9, 1984
TORONTO ART THEATRE	560215	April 5, 1984
WESTERN ONTARIO FRUIT TESTING ASSOCIATION	202801	April 12, 1984

E. J. WELLS, LL.B.,
Director, Companies Branch.

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Articles of Revival

NOTICE IS HEREBY GIVEN that, certificates of revival under the *Business Corporations Act*, have been endorsed reviving the following corporations:

Name of Corporation	Ontario Corp. No.	Effective Date
DUNN REALTY INC. (formerly Jack Dunn Real Estate Limited)	139240	April 12, 1984
FIRST URBAN CORPORATION	432241	April 10, 1984
NORM BODLE MANAGEMENT LIMITED	209939	April 12, 1984
VILLANE DEVELOPMENTS LIMITED	280377	April 12, 1984
WYLER DEVELOPMENTS LIMITED	218620	April 13, 1984

E. J. WELLS, LL.B.,
Director, Companies Branch.

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Extra-Provincial Licences Issued

NOTICE IS HEREBY GIVEN that, under Part VIII of the *Corporations Act*, Licences have been issued to the following corporations:

Name of Corporation	Ontario Corp. No.	Jurisdiction of Incorporation	Date of Licence
BO-JO ENTERPRISES LTD.	581837	Manitoba	April 11, 1984
EXCELLON INDUSTRIES, INC.	583049	California	April 9, 1984
INFORMATION RETRIEVAL METHODS, INC.	581991	Texas	April 12, 1984

Name of Corporation	Ontario Corp. No.	Jurisdiction of Incorporation	Date of Licence
KANATA MILLS INC.	576375	British Columbia	April 10, 1984
PECOS RESOURCES LTD.	580955	British Columbia	April 6, 1984
VILLENEUVE RESOURCES LTD.	581835	British Columbia	April 9, 1984

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Certificates of Dissolution

NOTICE IS HEREBY GIVEN that a Certificate of Dissolution under the *Business Corporations Act*, has been endorsed:

Name of Corporation	Ontario Corp. No.	Effective Date
AUDIO DESIGN LIMITED	316057	April 13, 1984
BANNER KING FOODS LIMITED	226408	April 13, 1984
BEACHCOMBER DIVERSIONS INC.	513840	April 13, 1984
CANADIAN DIE SUPPLIES LIMITED	275017	April 12, 1984
CHAS. M. WILSON MOTORS LEASING LIMITED	105238	April 12, 1984
COMPETITION MUSIC LIMITED	462116	April 9, 1984
COOPER & PITTS LTD.	303890	April 9, 1984
DOLDAL ENTERPRISES LIMITED	237391	April 10, 1984
DOUGLASBURN FARM LTD.	434676	April 10, 1984
FURNIWOOD QUALITY PRODUCTS LIMITED	125296	April 9, 1984
HANOVAIR LIMITED	382466	April 10, 1984
HERB. BLAKE OFFICE MACHINES LIMITED	78746	April 3, 1984
HOGAN FARMS ESTATES LIMITED	205143	April 10, 1984
HOUSE OF NATURAL FOOD LIMITED	354159	April 12, 1984
LINDIN DISCOUNT DRUGS LIMITED	232245	April 11, 1984
MADAWA COMPANY LIMITED	93659	April 11, 1984
MOORE TOWNSHIP DEVELOPMENTS LIMITED	109630	April 10, 1984
MURRAY WILSON SHOES LIMITED	342681	April 10, 1984
OLIVER FEEDS & FARMS LIMITED	231834	April 10, 1984
REVOD MEDICAL MANAGEMENT LTD.	338479	April 9, 1984
SCOTT AND WITHRON, INC.	305746	April 9, 1984
STAYNOR INVESTMENTS LIMITED	85968	April 11, 1984
THE JOHN WHITE COMPANY LIMITED	2539	April 10, 1984
THE WALRUS AND THE CARPENTER (1979) LIMITED	408326	April 12, 1984
UPHOLSTERY SERVICE CO. LIMITED	74430	April 12, 1984
VILLEROCHE HOLDINGS LIMITED	204478	April 10, 1984
WHITE'S ACRE LONGLAC MOTEL LIMITED	266384	April 11, 1984
WINDSOR AND ESSEX COUNTY CRIPPLED CHILDRENS ACTION ENTERPRISES	506207	April 9, 1984
318430 ONTARIO LIMITED	318430	April 9, 1984
379622 ONTARIO LIMITED	379622	April 10, 1984
403559 ONTARIO LIMITED	403559	April 11, 1984
426831 ONTARIO LIMITED	426831	April 13, 1984

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Surrender of Charter and Termination of Existence
(Corporations Act)

NOTICE IS HEREBY GIVEN that, Orders under section 319 or 320 of the *Corporations Act*, as the case may be, has been made accepting the surrender of the charter terminating the existence of the following corporation:

Name of Corporation	Ontario Corp. No.	Date of Order	Date of Dissolution
WINDSOR AND ESSEX COUNTY CRIPPLED CHILDRENS ACTION ENTERPRISES	506207	April 9, 1984	April 9, 1984
E. J. WELLS, LL.B., Director, Companies Branch.			

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Notice of Default in Complying with
the Corporations Tax Act

The Director has been notified by the Minister of Revenue that the following corporations are in default in complying with the *Corporations Tax Act*.

NOTICE IS HEREBY GIVEN under subsection 240 (1) of the *Business Corporations Act* that unless the corporations listed hereunder comply with the requirements of the *Corporations Tax Act* within 90 days of this notice, Orders will be made dissolving the defaulting corporations. All enquiries concerning this notice are to be directed to Corporations Tax Branch, Ministry of Revenue, 33 King Street West, Oshawa, Ontario, L1H 8H6.

Name of Corporation	Ontario Corp. No.
A & S REFINISHING INC.	466856
A. C. MACINTOSH CONSTRUCTION LTD.	366505
A. G. M. HOLDINGS LTD.	334372
A.S. DESIGN MACHINE TOOL SERVICE LTD.	354180
AAMOLAS INVESTMENTS LIMITED	344296
ABSOLUTE EXCAVATING & CONTRACTING COMPANY LIMITED	356722
ACADEMY CONSTRUCTION AND SUPPLY LIMITED	314509
ACADEMY PROPERTY MANAGEMENT LIMITED	291187
ACKUIS INVESTMENTS LIMITED	449453
ACORN INTERNATIONAL INC.	449520
ACOUSTIC FIBER SOUND SYSTEMS CANADA LTD.	449121
ACTIVE RADIO AND T. V. LIMITED	92176
AERO MARINE TRAVEL LIMITED	439607
AKAHOUSE INVESTMENTS INC.	449507
AL MARK CO. LTD.	367463
ALAIN PEREZ AGENCY LIMITED	333710
ALAN HAMM SALES LTD.	388425
ALEVY MANAGEMENT INC.	400897
ALVIANI IMPORT AND EXPORT LIMITED	338995
AMADA MARKETING INC.	450768
ANABOLIC FORMULATIONS INCORPORATED	301611
ARTHUR F. WHITE INTERIORS & LEASING INC.	338219
ATCHISON CARPETS LTD.	361461
AURIEMA OF CANADA LTD.	419969
AURORA TRAVEL CENTRE LTD.	341127
AUTO RENTCO LTD.	454567
AVEZE INC.	388411
AYRE GLASS LTD.	245979
B.A. COMBS DEVELOPMENTS LTD.	417045
B.R. & G. CORPORATION LTD.	292149
B&B AUTO GAS (CANADA) LTD.	448066
BALTUS COLONIAL HOUSE LIMITED	286300
BARTALK PRODUCTIONS LIMITED	387541
BEADWALL INSULATING SYSTEM INC.	449439

Name of Corporation	Ontario Corp. No.
BECKER AND GOLE FARMS LIMITED	377387
BERBIS POWER LIMITED	420085
BETA-OMICRON INC.	420780
BILL LINDSAY CONSTRUCTION LTD.	367763
BILLY BEAVER TOY SHOPS LTD.	429102
BLACK & WHITE INDUSTRIAL PAINTING LTD.	449234
BOB RAPLEY CONSTRUCTION LTD.	336963
BODAL LIMITED	384440
BOLD MARINER HOLDINGS LIMITED	302561
BOND ELECTRIC LIMITED	447916
BOROUGH PARK PRODUCTIONS INC.	418483
BORYS, NICANDRO INVESTMENTS LTD.	448429
BOSKO MILANKOV EXTRUSION LIMITED	291589
BRIDLE CONSTRUCTION LIMITED	419954
BRUCE FITTER EXHIBIT MANAGEMENT LTD.	449092
BUCKINGHAM REALTY (KINGSVILLE) LIMITED	411783
BURBROOK INVESTMENTS LIMITED	82822
BURGER WORLD LIMITED	447713
BUSINESS COMPUTER WORLD INC.	401150
BYDAR MANAGEMENT LIMITED	354003
C. & J. SERVICE STATION LIMITED	370000
C. A. REYES INC.	343788
C. E. I. INDUSTRIES LIMITED	383562
C. G. M. MANAGEMENT LIMITED	407245
C.B.A. MARKETING SYSTEMS LTD.	399290
CALDON BOATS LIMITED	419069
CAMILLAN MANAGEMENT SERVICES INC.	398965
CAN AM LABORATORIES LTD.	376806
CANADIAN AUDIO ASSOCIATES INC.	407112
CANADIAN INTERNATIONAL SAILING SYSTEMS INC.	446793
CANADIAN LANDMARK DEVELOPMENTS INC.	461988
CANPORT INVESTMENTS LTD.	425549
CAR AND HOME SKILLS LIMITED	397012
CARISSI DESIGNS INC.	381403
CARJAN HOLDINGS LIMITED	369166
CARLETON TOWING LIMITED	348015
CAROLINE TRANSPORT LIMITED	287659
CASMIL CORPORATION LIMITED	205565
CELSIUS INVESTMENTS LTD.	314121
CERTELLI AND LECOS RECYCLING LIMITED	449511
CHARMCO INC.	308160
CHATEAU GARDENS INC.	288862
CHATEAU LUMBER SALES LIMITED	458031
CHECK-OUT PRODUCTS LTD.	416859
CHEMI-STRIP CORPORATION	333391
CIRCLE OF TWO PRODUCTIONS LTD.	419358
CITYCORE HOMES (TORONTO) LTD.	479791
CLINISERVE CORPORATION LIMITED	319194
COLUMBIA KITCHEN CENTRES (SARNIA) LIMITED	295205
COLUMBIA WAREHOUSING LIMITED	245011
COMMISSARY DISHROOMS AND SERVICES LTD.	276284
COMPLETE ENVIRONMENTAL CONTROL INC.	446662
COMPLEX REALTY CORPORATION LIMITED	136488
COMSET COMPUTER SYSTEMS LTD.	407309
CON-LYN DISPLAYS LTD.	363540
CONTINENTAL TECHNOLOGY ENTERPRISES INC.	476794
CORNWELL AND BARCLAY MANAGEMENT SERVICES LIMITED	389977
COSOY GUELPH II LIMITED	450314
COUNTRY COFFEE & TEA LTD.	426061
COUNTRY QUEEN FOODS (CANADA) INC.	418030
COUNTRY SET LIMITED	113769
CUDESKCO MANUFACTURING LIMITED	286111

Name of Corporation	Ontario Corp. No.
CUNNINGHAM OFFICE SUPPLY LIMITED	155955
CURLITE SCORING LTD.	403176
D.M.S. MOBILE CONCRETE LTD.	365006
DAVED INCORPORATED	270953
DE-AN TRANSPORT INC.	447983
DIGAT HOUSE UPHOLSTERY LTD.	451782
DIRECTIONS INTERNATIONAL DISTRIBUTORS INC.	448471
DOMINION KODOKAN JUDO LIMITED	124080
DOMSTOCK REALTY LIMITED	463344
DYMECO INDUSTRIES LIMITED	386464
E. A. T. RESTAURANTS INC.	402648
E.D.S. FOOD SERVICES LTD.	334929
EARLTON FARM SUPPLIES LTD.	362911
EASTBOURNE BOOKMAN LIMITED	378110
EASTERN AIR CONDITIONING REFRIGERATION & HEATING LTD.	393076
EASTERN CANADA CONTRACTORS LTD.	389378
EBAVALE INVESTMENTS LIMITED	419515
EDAULRAY CORP.	389511
EDGAR'S LIMITED	448021
ED-MEDIA LIMITED	225038
ELEGANT CAR CUSTOM & TRIM PRODUCTS LTD.	415920
EMBER-GLO WOOD PRODUCTS LTD.	413769
EMCOR TRADERS INC.	472343
EMILE HOLDINGS (FORT MYERS-APPROACH) INC.	277786
EMILE HOLDINGS (FORT MYERS-GARDENS) INC.	277787
ERGON LIMITED	302787
ERIKA FOGAZZI INVESTMENTS LIMITED	440185
FALIMPEX LIMITED	284865
FAMIA INVESTMENTS LIMITED	282944
FAMILY EXPOSITIONS INC.	450204
FAMOUS INSTRUMENTS OF WINDSOR LIMITED	388186
FARM AUTO WRECKERS LTD.	442572
FAVORECIDIAN HOLDINGS LTD.	367445
FGF INVESTMENT CORPORATION	387910
FIRST GLOBAL BUILDING CORPORATION	387657
FIRST MCKINLEY LEASING CORPORATION LIMITED	312939
FLAIRGEMS LIMITED	463282
FLOWER WAGON LTD.	453529
FOCAL OPTIQUE LTD.	445987
FOGQUIN MINING AND SALVAGE COMPANY LTD.	450778
FORT CHIMO REALTY HOLDINGS LIMITED	432787
FRANCIS FORTIN RESTAURANTS LIMITED	451551
FREDERICK C. MCBRIDE LIMITED	211444
FRIEDL DELICATESSEN SYSTEMS INC.	447752
G & W COOPER ENTERPRISES LTD.	413215
G.F.N. ELECTRICAL CONTRACTORS LIMITED	299325
GAELMOR LTD.	449561
GERWIL HOLDINGS INC.	470134
GOLDEN HILL CONSTRUCTION LTD.	332110
GOURMET COFFEE SERVICES, INC.	460832
GOVERNOR OIL RESOURCES INC.	449406
GRANT ERWIN LIMITED	209298
GREEN & HARRIS CONSULTANTS LTD.	452292
GREY AUTOMOTIVE DISTRIBUTION CO. LTD.	441647
GROUP 365 LIMITED	302786
H.A. CRAWFORD FURNISHINGS LIMITED	244590
HADRIAN MANAGEMENT CONSULTING GROUP INC.	462940
HALTON-WELLINGTON TRUCKING INC.	428642
HAMO CONSTRUCTION LTD.	290920
HAPPY PLACE BEAUTY SALON LIMITED	317165
HAROLD DOWNEY REAL ESTATE LIMITED	336834
HELDE INVESTMENTS LIMITED	449169

Name of Corporation	Ontario Corp. No.
HI-STYLE DRAPERY LIMITED	338664
HILIGHT REALTY LIMITED	409111
HOWARD'S FINE FURNITURE OF PETROLIA INC.	293263
HUDEL MAINTENANCE & CONSTRUCTION LIMITED	201171
HYTA LIMITED	364624
IKON BUILDERS SUPPLY LIMITED	448216
IMC TRADING CORPORATION	448374
INTERNATIONAL ART REGISTRY INC.	449699
INTERNATIONAL FUNERAL SERVICES LTD.	339332
INTERSURE INSURANCE BROKERS LIMITED	449840
J. & B. INVESTMENTS (GRAVENHURST) LIMITED	269485
J. K. DOWNS CONTRACTING LTD.	445297
J.I.R. INVESTMENTS INC.	296152
J.J. EANSOR & ASSOCIATES INC.	424524
J-M TITIZIAN MALL LTD.	414777
JACOBS AUTO SALES LTD.	359810
JAMAICA WOODCRAFT LIMITED	263551
JANRICH INVESTMENTS (FORT-MYERS-GARDENS) INC.	277789
JEANS WEST UNISEX LIMITED	237346
JEFPAL INVESTMENTS LIMITED	282338
JOAN SUTTON AND ASSOCIATES LIMITED	213331
JOHN BLAIR HOLDINGS LTD.	402327
JOHN J. CUNNINGHAM INC.	449918
JOHN STALL PRODUCTIONS INC.	339208
K. & P. HOPKINS STUDIO LIMITED	335354
KARAT RECORDS LTD.	450241
KEN CORNISH PLUMBING & HEATING LTD.	329746
KENSINGTON INVESTMENTS INC.	302433
KILLALOE INVESTMENTS LTD.	398499
KINGSTON CLASSIFIED AGGREGATES LIMITED	451791
KLASSIK BUILDERS LIMITED	257763
KVL CONSOLIDATED INVESTMENTS LIMITED	345266
L. P. WINTERKORN & ASSOCIATES INC.	420160
LABELLE MARINE & MOWER INC.	450287
LADEMEL ADVERTISING INC.	449807
LAKE MAZINAW ENTERPRISES, LIMITED	57874
LANARK HIGHLANDS MARKETING COMPANY LIMITED	460698
LARK RESOURCES LIMITED	428331
LAURIDS SORESENSEN AND SONS LIMITED	215131
LAWNOR PROPERTIES INC.	434216
LBI REALTY HOLDINGS INC.	284498
LEDUC-DAUM COMMUNICATIONS LTD.	441121
LEFT HAND HOLDINGS LTD.	479796
LEON KUMOVE SOCIAL PLANNING LIMITED	224117
LIONEL DAMPHOUSE LIMITED	103344
LKM PROPERTIES LTD.	342384
LLOYD - ELWOOD PRODUCTIONS LIMITED	278454
LONGHILL ENERGY PRODUCTS LIMITED	356075
LOR-N-SONS HOLDINGS LTD.	490498
LOUIS WALSH COAL COMPANY, LIMITED	26476
LUJO GENERAL CONTRACTORS CO. LIMITED	449683
MACELLERIA CAPRI LIMITED	307698
MAGNUM COMMODITIES INC.	307991
MALVERN T.V. RENTALS LIMITED	418346
MANDOLIN INVESTMENTS (FORT MYERS-GARDENS) INC.	277801
MANDOLIN INVESTMENTS (FORT MYERS-APPROACH) INC.	277784
MANOTICK PICTURE FRAMING LTD.	258483
MARILYN QUINN TRANSPORTATION LEASING LIMITED	458978
MARK IV RECORDS LTD.	338957
MARRANK LOGGING CO. LTD.	386985
MAXIE'S TAXI LIMITED	204179
MCBREARTY INC.	364452

Name of Corporation	Ontario Corp. No.
MEDRINA ENTERPRISES LIMITED	110501
MELBEN RESOURCES LIMITED	447409
MELCOM HOLDINGS LIMITED	261136
MIJAK POOL SERVICES LIMITED	332676
MIRRI HOLDINGS LTD.	361179
MONET INVESTMENTS INCORPORATED	450819
MONTE CARLO ENTERTAINMENT INC.	417547
MOOREWOOD ASSOCIATES LIMITED	448464
MORRIS FARM SERVICE LIMITED	319045
MOTORCITY ROLLARENA LIMITED	437127
MR TEASE ENTERPRISES INC.	426570
MURLAN INDUSTRIES INCORPORATED	344653
NATIVEL HOLDINGS LTD.	352769
NATUROLA PRODUCTS LTD.	347605
NEASDEN HOLDINGS (FORT MYERS-GARDENS) INC.	277791
NETJAC CORPORATION (FORT MYERS-GARDENS) INC.	277792
NETWORK MAIL ORDER INC.	417406
NEWDAY JANITORIAL SERVICES LIMITED	418831
NIBALDO'S FIBREGLASS PRODUCTION LTD.	449277
NORTH SHORE SALES, RENTAL AND SERVICE LTD.	283719
NORTHWESTERN LEASING LIMITED	315229
NOVATRANS LEASING INC.	449452
OAKCLARE INVESTMENTS LIMITED	154276
OCLAN INDUSTRIES LIMITED	146538
OLD MILL DONUTS LIMITED	419120
OLYMPUS HEALTH STUDIO LIMITED	380403
OMNI COMMUNICATIONS (WINDSOR) LTD.	425191
OMNICOM DEVELOPMENTS LIMITED	335589
ORCHARD FINANCE CORPORATION LIMITED	69522
OSHAWA SCHOOL OF MASSAGE & NUTRITION INC.	432019
P. & V. VENTURA HOLDINGS LIMITED	449975
PARIS FENCE LIMITED	309237
PARKER-MACKAY TRAVEL LTD.	421025
PEAR CORPORATION	417322
PENNATITE LIMITED	298154
PERSEVERANCE MINING AND DEVELOPMENT COMPANY, LIMITED	40685
PINE RIDGE FARM INC.	344211
POLICY CONSULTING ASSOCIATES LIMITED	291696
PORT CREDIT LUMBER COMPANY LIMITED	56199
PRACE MINING LIMITED	278720
PRO CAMERA CENTRE LTD.	436253
PRODCOIN PRODUCTIONS INC.	449102
R. D. BENNETT & ASSOCIATES INC.	456828
R. EDWARD SIMPSON AGENCIES (BURLINGTON) LIMITED	291234
R.M.C. REALTY INVESTMENTS LIMITED	287866
R.W.F. EMPLOYMENT SERVICES LIMITED	386471
RAM TRUCKING AND WAREHOUSING LIMITED	456943
RASSCO SALES LTD.	382848
RATHNALLY INVESTMENTS LTD.	448283
RAY SQUIRREL & COMPANY INC.	388121
REEKAMA HOLDINGS LIMITED	435701
REGENT OAKSHORE CONSTRUCTION LIMITED	221795
RENHILL HOME BUILDERS (FORT MYERS-GARDENS) INC.	277785
REQUISITION INVESTMENTS LIMITED	222238
RICHLANE FARMS LTD.	448029
RIDEAU LAKES COTTAGE SERVICES LTD.	453864
RJI COMPANY LTD.	450746
ROBERT BAUMGARTNER LTD.	446690
ROCO PETROLEUM EXPLORATION INC.	493374
ROMGO COMMUNICATIONS LTD.	452135
RONSHAR DEVELOPMENTS LIMITED	449290
ROSS BIRTCH TRUCKING LIMITED	458019

Name of Corporation	Ontario Corp. No.
ROYAL CITY ELECTROPLATING LTD.	418844
RRR INVESTMENTS LTD.	101617
S AND H INVESTMENTS LIMITED	115686
S. RYDZIK ENTERPRISES LIMITED	235704
S. SPROUL & SONS BUILDING CONSTRUCTION LIMITED	403091
S. VARGA GARDENS LIMITED	263234
SAIRA MANAGEMENT SERVICES LTD.	385797
SALTFLEET ELECTRIC CONTRACTORS LIMITED	227866
SANGHERA ASSOCIATES INC.	452343
SANTACLONES INC.	420935
SCAN-MOR DISTRIBUTORS LTD.	448129
SCAR-VALE ESTATES LTD.	443162
SELJAY MANAGEMENT LIMITED	386798
SEQUOIA NURSERIES & LANDSCAPING LIMITED	464455
SHANDEFF HOLDINGS LTD.	438107
SHANROB MANAGEMENT LTD.	308231
SHEILA B. DESIGN LTD.	402534
SHELCRIS HOMES LTD.	337120
SHELTER BAY HOLDINGS LTD.	387133
SHIELD STORAGE & DISTRIBUTION LIMITED	399361
SIMAIR CORPORATION	409985
SIMCOE INSULATION SPECIALTIES LTD.	340644
SKIL-SHARE LIMITED	230111
SKYMAR INVESTMENTS LIMITED	449878
SLOPE INVESTMENTS LIMITED	222422
SMITH & CAVEN ENTERPRISES LTD.	453088
SONIC DISTRIBUTORS LIMITED	307215
SONLANE DEVELOPMENT CORP.	416127
SOUTHEY FOOD SERVICES LIMITED	442746
SPRINGBANK FARM PRODUCE LTD.	411340
STAROBA MANUFACTURING CO. LIMITED	97655
STEVE'S STEAK & PIZZA HOUSE LIMITED	299997
STOCKFISH INVESTMENT AND DEVELOPMENT INC.	351445
SUNFURIZING FUR CLEANING COMPANY LIMITED	361755
SUNNYSIDE BUS TERMINAL LTD.	303826
SUPREME COATINGS LIMITED	333024
SURE INSURANCE AGENCIES (ONTARIO) LIMITED	235937
SUZI TATOES PHOTO SERVICES INC.	414061
SYLVESTRE BARRAN INC.	463716
SYSTEMS 5 FABRICATING LTD.	427678
T. & A. INVESTMENTS AND HOLDINGS (CHATHAM) LTD.	347165
T. CONWAY FINANCIAL CONSULTING SERVICES LIMITED	339306
T. J. MCKAY & ASSOCIATES LIMITED	139580
T.I.V. (REALTY) LIMITED	491293
T.L.F. FINANCIAL CORPORATION	448992
TAMURAL HOLDINGS LIMITED	120323
TAN TERRIFIC INC.	426079
TANDBERG ELECTRONICS OF CANADA INC.	458368
TAYLOR-HILL INC.	449251
TED BOUCOCK & SONS LTD.	448208
TEMPTATION FASHIONS LTD.	352566
TEMROSE MALL INC.	380368
TERRIA CONSTRUCTION INC.	395556
THE BRADBURY WAY MESSENGER INC.	448719
THE CANADIAN MAITRE D' GUEST GUIDE INC.	420016
THE CANDY CASTLE INCORPORATED	419908
THE KEG 'N HOT TUB LEASING COMPANY LTD.	450788
THE RADUN GROUP LTD.	408004
THE ROONEEM CORPORATION	336593
THE YOUNG (PERCE) FAMILY HOLDINGS LIMITED	312533
THOS. H. CRAWFORD REALTY LTD.	296132
TICA ENTERPRISES LIMITED	258368

Name of Corporation	Ontario Corp. No.
TIFFANY HILL APARTMENTS LIMITED	257915
TIMESHARING RESORTS MANAGEMENT LTD.	469099
TOBRAN LIMITED	232707
TONY CAMPOLO ENTERPRISES INC.	371915
TORINO EXCAVATING (1965) LIMITED	141282
TORMONT MINES LIMITED	59572
TORPROP LIMITED	212953
TOTAL FABRICS LIMITED	339234
TRANSWORLD FASTENER CORP.	436101
TRAVELBOUND LTD.	449581
TRE STELLE BAKERY LIMITED	423621
TRIBE FILM ENTERPRISES INCORPORATED	397916
TRONCHI INC.	453134
TROY WOODWORKING LIMITED	256266
TUMBLEWEED TRAILER COURT LTD.	369161
TUP CORPORATION	366419
TWIN-TOWN DISTRIBUTORS LIMITED	449052
ULTERONG (CANADA) LIMITED	449577
UNITED TOYS INC.	451403
URBANAIR INC.	371625
URSULA'S GIFT CENTRE INC.	290867
VALCORP INTERNATIONAL LTD.	319039
VENUS CREATIONS LIMITED	449274
VION INDUSTRIES LTD.	375343
WASECA HOLDINGS LIMITED	309244
WENDE & WENDE LIMITED	450669
WESTERDALE DEVELOPMENTS LTD.	313844
WESTMOUNT T.V. AND APPLIANCE CENTRE LTD.	266712
WHITNEY CAR SALES LIMITED	151077
WIBSCO BUILDING PRODUCTS LIMITED	410425
WIL-TECH MICROWAVE INDUSTRIES INC.	448981
WINDJAMMER SAILING LIMITED	423794
WOLFCOVE LIMITED	100583
WONAT MANAGEMENT LIMITED	352913
WORKING MAN HOLDINGS INC.	446704
YSSELSTEIN HOTELS LTD.	304359
ZQH INC.	443440
228784 INVESTMENTS LIMITED	228784
244552 DEVELOPMENTS LIMITED	244552
260016 INVESTMENTS LIMITED	260016
283077 ONTARIO INCORPORATED	283077
291501 ONTARIO INCORPORATED	291501
297033 ONTARIO LIMITED	297033
310203 ONTARIO LIMITED	310203
335906 ONTARIO LIMITED	335906
336421 ONTARIO LIMITED	336421
337324 ONTARIO LTD.	337324
340573 ONTARIO INC.	340573
351728 ONTARIO LIMITED	351728
360046 ONTARIO LIMITED	360046
361717 ONTARIO LIMITED	361717
363013 ONTARIO LIMITED	363013
363053 ONTARIO LIMITED	363053
363378 ONTARIO LIMITED	363378
371873 ONTARIO LIMITED	371873
371980 ONTARIO LIMITED	371980
373060 ONTARIO LIMITED	373060
376594 ONTARIO LIMITED	376594
382210 ONTARIO LIMITED	382210
385445 ONTARIO LIMITED	385445
386240 ONTARIO LIMITED	386240
386540 ONTARIO LIMITED	386540

Name of Corporation	Ontario Corp. No.
386887 ONTARIO LIMITED	386887
387110 ONTARIO LIMITED	387110
388279 ONTARIO LIMITED	388279
389031 ONTARIO LIMITED	389031
389888 ONTARIO LIMITED	389888
401625 ONTARIO LIMITED	401625
403425 ONTARIO LIMITED	403425
404979 ONTARIO INC.	404979
410779 ONTARIO LIMITED	410779
412712 ONTARIO LIMITED	412712
415528 ONTARIO LIMITED	415528
415609 ONTARIO INC.	415609
417 PAINTERS & DECORATORS LTD.	361485
417774 ONTARIO INC.	417774
418562 ONTARIO LIMITED	418562
418656 ONTARIO LIMITED	418656
419095 ONTARIO LIMITED	419095
419222 ONTARIO LIMITED	419222
419261 ONTARIO LIMITED	419261
421212 ONTARIO LIMITED	421212
421292 ONTARIO LIMITED	421292
422564 ONTARIO LIMITED	422564
423304 ONTARIO LIMITED	423304
423309 ONTARIO LIMITED	423309
423921 ONTARIO LIMITED	423921
425742 ONTARIO LIMITED	425742
429316 ONTARIO LIMITED	429316
430566 ONTARIO LIMITED	430566
432507 ONTARIO LIMITED	432507
432642 ONTARIO LIMITED	432642
433258 ONTARIO INC.	433258
437961 ONTARIO INC.	437961
438066 ONTARIO LIMITED	438066
439438 ONTARIO INC.	439438
440641 ONTARIO LTD.	440641
443516 ONTARIO LIMITED	443516
444378 ONTARIO LIMITED	444378
447417 ONTARIO LIMITED	447417
447678 ONTARIO INC.	447678
447679 ONTARIO INC.	447679
448149 ONTARIO LIMITED	448149
448222 ONTARIO LIMITED	448222
448223 ONTARIO LIMITED	448223
448287 ONTARIO LIMITED	448287
448304 ONTARIO INC.	448304
448311 ONTARIO LIMITED	448311
448312 ONTARIO LIMITED	448312
448340 ONTARIO LIMITED	448340
448349 ONTARIO INC.	448349
448424 ONTARIO LIMITED	448424
448451 ONTARIO INC.	448451
448710 ONTARIO INC.	448710
448721 ONTARIO LIMITED	448721
448736 ONTARIO LTD.	448736
448752 ONTARIO LIMITED	448752
448808 ONTARIO CORPORATION	448808
448828 ONTARIO INC.	448828
448869 ONTARIO LTD.	448869
449140 ONTARIO INC.	449140
449199 ONTARIO LIMITED	449199
449239 ONTARIO LTD.	449239
449270 ONTARIO LIMITED	449270

Name of Corporation		Ontario Corp. No.
449289	ONTARIO LIMITED	449289
449467	ONTARIO LIMITED	449467
449470	ONTARIO LIMITED	449470
449687	ONTARIO LTD.....	449687
450272	ONTARIO LIMITED	450272
450294	ONTARIO LIMITED	450294
450685	ONTARIO LIMITED	450685
450691	ONTARIO LIMITED	450691
450904	ONTARIO LTD.....	450904
450978	ONTARIO LIMITED	450978
451083	ONTARIO LIMITED	451083
451095	ONTARIO LIMITED	451095
451733	ONTARIO LIMITED	451733
452034	ONTARIO INC.	452034
453028	ONTARIO LIMITED	453028
454928	ONTARIO INC.	454928
457501	ONTARIO INC.	457501
458160	ONTARIO LIMITED	458160
459012	ONTARIO LIMITED	459012
459451	ONTARIO INC.	459451
460680	ONTARIO LIMITED	460680
460814	ONTARIO INC.	460814
462290	ONTARIO LIMITED	462290
469872	ONTARIO LIMITED	469872
475556	ONTARIO LIMITED	475556
477926	ONTARIO LIMITED	477926
477929	ONTARIO LTD	477929
480745	ONTARIO INC.....	480745
481428	ONTARIO INC.	481428
489381	ONTARIO LTD.....	489381
492573	ONTARIO LIMITED	492573
515426	ONTARIO LIMITED	515426

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E. J. WELLS, LL.B.,
Director, Companies Branch.

Cancellation of Certificates of Incorporation
(Corporations Tax Act Defaulters)

NOTICE IS HEREBY GIVEN that, under subsection 240 (3) of the *Business Corporations Act*, the Certificates of Incorporation of the corporations named hereunder have been cancelled by an order dated 9 April, 1984 for default in complying with the provisions of the *Corporations Tax Act*, and the said corporations have been dissolved on that date.

Name of Corporation		Ontario Corp. No.
(PETER) LYNCH FARMS LIMITED		316766
'007' PHOTOS INC.		438130
A & P JEWELLERY DISTRIBUTORS LIMITED		413870
A A A VACATION TIME SHARE RESORTS INC.		438139
A.A. DAVIS ENTERPRISES LIMITED		283883
ABCAN INVESTMENTS LIMITED		90931
ABOA LTD.		437878
ADVANCED INSULATION & HOME IMPROVEMENTS (ONTARIO) INC.		430713
AELTESTER CORPORATION LIMITED		330896
AFTWAY INVESTMENTS LTD.		426616
AGU DEVELOPMENTS INC.		288800
AL CHAMBERS TRUCKING LIMITED		438478
ALBET DISTRIBUTORS LTD.....		360208

Name of Corporation	Ontario Corp. No.
ALDOT LTD.	246807
ALEX EILENDER PLASTICS INC.	407971
ALLIED DRYWALL LIMITED	301396
ALLTOR HOLDINGS LIMITED	283289
ALTERNATIVE TYPESETTING (YORK) LIMITED	377767
ANCASTER LANES LIMITED	138589
ANDREW JACKSON (GUELPH) LIMITED	434487
ANJMONT BUSINESS DEVELOPERS LTD.	432683
ANSON-CARTWRIGHT EDITIONS LTD.	358482
APRICENA INVESTMENTS LIMITED	292280
ARBEATHA SHOPPING PLAZA INC.	284469
ARMOUR SECURITY & INVESTIGATION LTD.	398688
ASIA DEVELOPMENT COMPANY LIMITED	364309
ATFA PETROLEUMS LIMITED	447597
ATLANTIS HEALTH STUDIO LTD.	300425
B. JONES BUSINESS MACHINES INCORPORATED	447438
B. O. G. INDUSTRIES INC.	411385
BACK HESPELER FARMS LIMITED	211504
BALOM INTERIORS COMPANY LTD.	342742
BANEX SERVICES LIMITED	353473
BAR NINE RANCH (AJAX) LIMITED	438173
BAR NINE RANCH HOLDINGS LIMITED	438174
BARRY FITZGERALD PUBLISHING INC.	439571
BARTER MUSIC INC.	439836
BATAK HOLDINGS LIMITED	372664
BEAUBIEN-HYDE CORPORATION	416966
BECKMAN-GOUGH CONTRACTORS LIMITED	287693
BECKMAN-GOUGH UNITED MECHANICAL CONTRACTORS LIMITED	438670
BEKAS ENTERPRISES LIMITED	438232
BENROCK HOMES LIMITED	220858
BETTI CONSTRUCTION LIMITED	456499
BIRMAN BARGAIN FURNITURE COMPANY LIMITED	147300
BLAWADO LIMITED	228384
BOB FEENEY'S WORLD WIDE SPORTS LIMITED	363882
BOB MCMAHON'S SERVICE CENTRE LIMITED	250079
BOYD'S MADISON AVENUE (CANADA) INC.	422508
BRACKLEY INSURANCE & REALTY LIMITED	224198
BRAKDO DEVELOPMENTS LIMITED	302910
BRANSBY INVESTMENTS LTD.	439864
BRI-HIGH INCORPORATED	482598
BROCK MECHANICAL LIMITED	334633
BRUCE R. JONES REAL ESTATE LTD.	370536
BRUCE SMITH CONSTRUCTION INC.	363964
BRUCK CANADIAN PLASTICS INC.	438187
BRULYN FARMS LIMITED	402458
BUCKLE'S T. V. AND APPLIANCES LTD.	301439
BURNS BRAE CATTLE CO. LIMITED	263458
C. W. WISNIEWSKI REALTY LTD.	436366
CALEDONIA TEMPORARY HELP DRIVER SERVICES LTD.	438795
CANADA APPLIED ELECTRONICS INC.	431566
CANADA INTERNATIONAL RENT-A-CAR LIMITED	378314
CANADIAN BLOOD PRESSURE SYSTEMS, INC.	400394
CANADIAN ENER-SAV INSULATION COMPANY LTD.	355633
CANATEMP PRODUCTS LIMITED	390470
CANDUE MANAGEMENT INC.	390668
CATHCART INSURANCE AGENCY LIMITED	236330
CAVASINNI BROTHERS CONSTRUCTION LTD.	418381
CAVIS CANDLE CORPORATION LTD.	405090
CENTRAL TRANSPORTATION SYSTEMS INC.	438824
CHANTALCO INC.	300803
CHARBERG ENTERPRISES INC.	475915
CHARISMA REALTY LTD.	438102

Name of Corporation	Ontario Corp. No.
CHESTNUT HILL CORPORATION LIMITED	222376
CHU CHAN LIMITED	116495
CIDAW CONSTRUCTION LIMITED	433068
CIRCADSERVICUSIZING CORPORATION	384182
CLEARWATER TOURS INC.	377574
COMMERCIAL REALTY CONSULTANTS INC.	438033
CORNINGHAM PROPERTIES INC.	377542
CORPORATE ART LTD.	342406
COSMIC CONSTRUCTION LIMITED	99037
COST REDUCTION DEVICES INC.	475758
COUNTRYSIDE GARDENS LIMITED	290666
CYTEL BUSINESS SYSTEMS INC.	440639
D. E. T. A. CONSULTANTS LIMITED	232075
D. RODWELL CONSTRUCTION LIMITED	438823
CANCER'S HAVEN INC.	440261
DAWSON STREET CAR WASH LIMITED	211969
DEL BIANCO CONSULTANTS LIMITED	438574
DEMEN INVESTMENTS LTD.	331082
DENEDO CORPORATION	351985
DIANNE PEPPER-COOPER INC.	365252
DILLON & DRYSDALE INC.	439367
DING HSING INC.	438885
DOBRO INVESTMENTS LTD.	401294
DONG WOO MUTUAL INVESTMENT CO. LTD.	439430
DONHILL TAXI LIMITED	377242
DONVAR REALTY INC.	438983
DORHAM ELECTRIC LIMITED	293138
DUAL TEMP ENGINEERING LTD.	266378
DUNCAN ENTERPRISES LIMITED	439465
DURHAM JANITORIAL SERVICES INC.	378501
EAST STAR AUCTION SERVICES LIMITED	441678
EDEN IMPEX LTD.	488755
EDENBROOK PERSONNEL LTD.	307630
ELECTRO-MAGNETIC WATER CONDITIONING INC.	417540
ELMSMERE PROPERTY CO. LIMITED	151600
ELONBURG INTERNATIONAL HOLDINGS LIMITED	406022
ERIE PROPERTIES LIMITED	253927
ERNIE'S CONTRACTORS LIMITED	243031
ESP CONSERVATION SYSTEMS LIMITED	378402
EXPAT SERVICES LIMITED	379402
FACTORY MATTRESS SALES LTD.	332366
FINPEX TRADING CORPORATION	438607
FINTEP MEDICAL MANAGERIAL SERVICES INCORPORATED	330771
FITWELL SHOES LIMITED	278462
FORWARDERS CONSTRUCTION LTD.	408224
FREEMAN INVESTMENTS AND REALTY LIMITED	62529
FRENETIC ABC INC.	438818
FRIEDEL BROTHERS PROMOTION INCORPORATED	435966
FURNITURE DEALERS CREDIT CORPORATION	313591
G. MARTIN REAL ESTATE INC.	367900
G. SOLWAY & SONS, LIMITED	37011
GARMON INDUSTRIES LIMITED	411467
GERVAN INVESTMENTS INC.	271998
GLEN CAIRN PHARMACY LIMITED	303974
GOLD CROWN JUICES CO. LTD.	379733
GOODMORNING TAXI COMPANY LTD.	357613
GRAFTON HOTEL LIMITED	260955
GRAPHIC PHENOMENA LIMITED	251034
GREATER DUFFERIN ESTATES LIMITED	279778
GUILDMART LIMITED	295092
GUY & CHERYL HOLDINGS LIMITED	461082
H. K. L. DEVELOPMENTS OF STRATHROY LIMITED	273096

Name of Corporation	Ontario Corp. No.
H&L MEDICAL SUPPLIES LTD.	438563
HALBRAM INVESTMENTS LIMITED	253636
HAMILTON POOL SERVICES INC.	380916
HARRY GOTZIAMAN ENTERPRISES LTD.	395306
HAZELTON PUBLISHING LIMITED	444235
HELWEL DISTRIBUTORS LTD.	412664
HENDERSHOT PRESS LIMITED	151692
HERFER PROPERTIES LIMITED	227453
HI MOUNT INVESTMENTS LTD.	408478
HOSSELET ENTERPRISES LTD.	432058
HOT VINYL, INC.	438700
HOW SWEET IT IS INCORPORATED	439217
HURONTARIO AREA TIRE COMPANY LIMITED	380691
INFERNO HOLDINGS LIMITED	400901
IT'S A CHILD'S WORLD LIMITED	379608
IVORICK MANAGEMENT INC.	444183
J. A. DOSSETT MANAGEMENT SERVICES LIMITED	347909
J. HERBERT STEWART HOLDINGS LIMITED	101289
J. R. C. METAL STRUCTURES LIMITED	439472
J. W. FRANKI CONSTRUCTION LIMITED	107717
J-GAL MANAGEMENT CO. LTD.	304361
JABBCO CONSULTING CORP.	367115
JACK PINE MACHINE SHOP & FABRICATION LTD.	438878
JACK SACKVILLE AND ASSOCIATES LIMITED	200682
JOHN BELANGER ENTERPRISES LIMITED	346500
JONDO INVESTMENTS LIMITED	210418
K & K LOGGING AND FUEL WOOD LTD.	469818
K. R. SHEPPARD ENTERPRISES LTD.	449710
KABY RIVER LODGE LIMITED	313184
KAI'S TASTY PLACE LTD.	423491
KANNAKKO CONSTRUCTION LIMITED	203134
KANNISTO ENTERPRISES INCORPORATED	435618
KB MOUNTAINSIDE INTERLOCK CONSTRUCTION LIMITED	438666
KEMP MOTOR INVESTMENTS LIMITED	403875
KEN R. BALL INSURANCE AGENCY LTD.	404116
KEN-JEAN DEVELOPMENTS CO. LIMITED	235407
KENNEDY GAS & SERVICE STATION LIMITED	318136
KOPOULOS ENTERPRISES LTD.	438485
KOSMOPOULOS LEATHER GOODS LIMITED	253536
L. E. M. COLOUR & SOUND LIMITED	377790
L. T. D. INVESTMENTS LIMITED	98452
LAKE PROMENADE SERVICES LTD.	437760
LAMONE DEVELOPMENTS LIMITED	346206
LANDMARK RENT-ALL CORPORATION	451593
LANE DEVELOPMENTS OF STRATHROY LIMITED	211811
LAREDO MARKETING (LONDON) LTD.	346020
LATUQUE LEASING SYSTEMS, INC.	410061
LEASE-A-LOT LTD.	244470
LIGHTSAROUND CANADA, INC.	425141
LINCOLN COUNTY MOTORS LTD.	438430
LINDSAY GLASS AND MIRROR INC.	352712
LOR-JEN CONSTRUCTION CORPORATION	384304
LUCAL INVESTMENTS LIMITED	141966
LUMI MARINE PRODUCTS LIMITED	434682
LUXURY LINGERIE LTD.	491550
M & A LOFRANCO LTD.	339289
M. M. INTERIORS WALL COVERINGS LIMITED	352842
MACBARICH INVESTMENTS LIMITED	409534
MADA INVESTMENTS LIMITED	118778
MAIN TRANSPORT SERVICES LTD.	354431
MARET HOLDINGS LIMITED	203603
MARINE HYDRAULICS LIMITED	331777

Name of Corporation	Ontario Corp. No.
MARK ENTERPRISES LIMITED	427058
MASTWAY INVESTMENTS LTD.	426766
MATOPOS CORPORATION	439690
MAUREEN'S BEAUTY PRODUCTS LIMITED	367765
MAXIVISION LIMITED	348131
MAXWILL CONSTRUCTION LTD.	439820
MCCRACKEN INVESTMENTS LIMITED	229677
MEDI-PLASTIC CO. INC.	407924
MERCROSS HOLDINGS LIMITED	371768
MEYLOW OIL COMPANY LIMITED	253790
MID-EAST SOAP CO. LIMITED	105320
MIKE PERROTTA LIMITED	275600
MONSA DEVELOPMENTS LIMITED	155032
MOR – DEN COIFFURE LIMITED	408193
MOTION MAGNETICS INC.	438165
MOUNTAIN GARDENS INVESTORS LIMITED	291273
MUGWUMP PARK LIMITED	436519
MULTIWOOD PRODUCTS INC.	409612
MUSICALLY INCORPORATED	274960
NANDR INVESTMENTS LIMITED	437787
NATIONAL ROLLSHUTTER MFG. CO. LTD.	438079
NATURAL GAS SERVICES (ONTARIO) LIMITED	438578
NEPTUNE ELECTRONIC MANUFACTURING AND SERVICES INCORPORATED	352487
NICK ROHWER CONSTRUCTION LIMITED	285877
NO. 1 DOUGHNUT LTD.	440118
NODELAC HOLDINGS LIMITED	222439
NORTHWESTERN EQUIPMENT RENTALS AND METAL FABRICATION LTD.	354869
NOSTAW MANAGEMENT LIMITED	377507
OAK-QUEEN PAINT & WALLPAPER LIMITED	211223
OAKDALE EQUIPMENT & MACHINERY LTD.	372309
OCEANS ALIVE INC.	441459
OGLAND INSURANCE AGENCY INCORPORATED	376111
ONBORNE INVESTMENTS INC.	417848
ORION IMPEX LTD.	479317
ORLEANS BIG APPLE INC.	438083
ORO INDUSTRIAL PARK INC.	381726
P. AND F. ENTERPRISES (ST. THOMAS) LIMITED	427063
P. H. SQUARED DISTRIBUTORS LIMITED	438267
PANELECTRIC HEATING (1967) LIMITED	201625
PAT'S INVESTMENTS LIMITED	290607
PAUL SAYERS LUMBER LIMITED	141548
PAULCO INCORPORATED	284019
PAYTEX CORP. LIMITED	117338
PEBO TECHNOLOGIES INC.	392783
PERMALASTIC PRODUCTS OF CANADA LIMITED	202389
PETER G. IDZINGA REAL ESTATE LIMITED	285987
PETRISAN CONTRACTING (ONTARIO) LIMITED	252276
PLANTS IN MOTION INC.	438728
PODI FARMS & FARM MANAGEMENT INC.	360937
POOL & LEISURE PRODUCTS LIMITED	445980
PROBSTAT INC.	439899
PYRAMID SOUND PRODUCTIONS LIMITED	438698
QUADRANT GROVES LTD.	283996
QUAL-ITAL HOMES LIMITED	367686
QUANTUM TRAVEL INC.	422665
R. C. I. FIRE PROTECTION LTD.	377399
R.F. DRY CLEANERS LIMITED	439727
RAMDAK INVESTMENTS LIMITED	233636
RANSBIRD CONTRACTORS LTD.	330515
RE-OR HOLDINGS LIMITED	475548
REDDY INVESTMENTS LIMITED	134633
REDEKOP BUILDERS (NIAGARA) LIMITED	234565

Name of Corporation	Ontario Corp. No.
RENA'S CAKE RENTAL AND BRIDAL SUPPLIES LTD.	304814
RESHMIN INVESTMENTS LTD.	439332
ROBERT BURN'S MARKETING LIMITED	243987
ROBERT W. ALLEN & COMPANY LIMITED	255577
RODR LTD.	329303
ROSEDALE LODGINGS, INC.	301941
ROYAL CONSTRUCTION COMPANY LIMITED	295065
ROYAL PRINTING CO. LIMITED	337636
RPR CRYSTAL POOLS CORPORATION	439632
RUSSEK'S FASHION CENTRE LIMITED	121902
S.M.I. MANAGEMENT LIMITED	274442
SABRE GLASS LIMITED	331919
SALIM ENTERPRISES LTD.	438680
SANDHAR & SONS LIMITED	351380
SANDON CONSTRUCTION LIMITED	142391
SCHERER ELECTRONIC DATA SERVICES INC.	440132
SCRIPTICS BUSINESS SERVICES, INC.	381701
SEALAND ECOLOGICAL SYSTEMS LIMITED	247174
SEIDER TRAILER SALES LIMITED	357053
SHARISA MANAGEMENT LTD.	302038
SHEILA CONSTRUCTION COMPANY LIMITED	100909
SHOPPES OF HILLSBORO INC.	438304
SOMETHIN SPECIAL COFFEE CATERERS LTD.	439737
SOOLANDS LIMITED	140683
ST. THOMAS DRYWALL LIMITED	376985
STELECTRIC INC.	440260
STEVENS OFFICE FURNITURE LTD.	342485
STEVENSON FOOD SALES LIMITED	253398
STURKIRCH CONFERENCES CORP.	409498
SUN-PORCH AND PATIO LTD.	357112
SUNDANCER ART ENTERPRISES INC.	437769
SWETMAN'S SHOES LTD.	331460
T. G. HANSON REAL ESTATE LIMITED	124652
T. L. S. ELECTRIC OF ONTARIO LIMITED	213001
TARA MANAGEMENT SERVICES LIMITED	440984
TECHONIC INDUSTRIES LIMITED	229926
THAI AND FAR EAST IMPORTS LTD.	333020
THAUVETTE'S TRUCK CENTRE LTD.	453890
THE BROADLOOM BIN LIMITED	434574
THE CAKE ART BAKERY LTD.	438719
THE COFFEE TREE LTD.	438383
THE HUNTSVILLE RESTAURANT COMPANY LIMITED	306419
THE MACMILLAN HARDIE GROUP LIMITED	347755
THE SOUND EXPLOSION LIMITED	438677
THE SUDBURY DELUXE DRIVE-IN 69 LIMITED	145446
THE WILLIAM J. ANDERSON COMPANY LIMITED	48012
THOMAS R. LEAVITT'S DRYWALL CO. LTD.	438993
TIME-LINE LIMITED	359192
TINT WORLD LTD.	439660
TOR-ITAL HOMES LIMITED	371109
TORONTO WINGS AND ROTORS LIMITED	351464
TREE OF LIFE LIMITED	243902
TREE-MEND-US INC.	410730
TRI-COLOUR LABORATORY LIMITED	241261
TRUMATIC INDUSTRIES INC.	356464
TYMPANY HOLDINGS LIMITED	139500
UNIQUE RECORDS LIMITED	438481
USHER'S FOOD WAREHOUSE (GUELPH) LTD.	418981
VALLEY FORD SALES LIMITED	403874
VERLO ENTERPRISES INC.	459679
VHAM CONSULTING ENGINEERS LIMITED	271603
VINOCLEAR MANUFACTURING INC.	368998

Name of Corporation		Ontario Corp. No.
WALSH & WALSH PAINTING LTD.		351908
WALT WOOLVETT LTD.		360040
WARD M. ENTERPRISES LIMITED		382376
WE'RE THE TYPE INC.		339253
WELLADAY DEVELOPMENTS INC.		433789
WESTERN INTERNATIONAL PENSION INVESTMENTS CORPORATION		365335
WHITEWARE PLASTERCRAFT MANUFACTURE LIMITED		437123
WILIX HOLDINGS LTD.		298634
WILSON, PENNINGTON & ASSOCIATES INC.		408512
WINDOW FILMS LIMITED		400321
WOODBIDGE LIGHTING LIMITED		415119
WOODBURY FRUIT MARKET LIMITED		253632
WOODS, PEPIATT & ASSOCIATES LIMITED		395582
WORLD PRESS DIGEST (CANADA) LIMITED		419117
YASH ENTERPRISES LIMITED		387287
218889 ONTARIO LIMITED		218889
231267 ONTARIO LIMITED		231267
277168 ONTARIO LIMITED		277168
283533 ONTARIO LIMITED		283533
284849 ONTARIO LIMITED		284849
3M INVESTMENTS INC.		329485
310066 ONTARIO LTD.		310066
315966 ONTARIO LIMITED		315966
338517 ONTARIO INC.		338517
343620 ONTARIO LIMITED		343620
349562 ONTARIO LIMITED		349562
350095 ONTARIO LTD.		350095
353524 ONTARIO LIMITED		353524
353528 ONTARIO LIMITED		353528
364576 ONTARIO LIMITED		364576
364594 ONTARIO LIMITED		364594
366888 ONTARIO LIMITED		366888
368023 ONTARIO INC.		368023
368635 ONTARIO LIMITED		368635
371962 ONTARIO LIMITED		371962
376559 ONTARIO LIMITED		376559
378780 ONTARIO LIMITED		378780
379907 ONTARIO LTD.		379907
381722 ONTARIO LIMITED		381722
389541 ONTARIO LIMITED		389541
394472 ONTARIO LTD.		394472
394751 ONTARIO LIMITED		394751
396324 ONTARIO LIMITED		396324
396337 ONTARIO LTD.		396337
399312 ONTARIO LIMITED		399312
404588 ONTARIO LTD.		404588
404940 ONTARIO LIMITED		404940
405467 ONTARIO LIMITED		405467
407515 ONTARIO LIMITED		407515
408460 ONTARIO LIMITED		408460
408499 ONTARIO LIMITED		408499
410277 ONTARIO INC.		410277
410582 ONTARIO LIMITED		410582
411892 ONTARIO LIMITED		411892
412020 ONTARIO LIMITED		412020
414912 ONTARIO LIMITED		414912
415787 ONTARIO LIMITED		415787
417028 ONTARIO LIMITED		417028
418467 ONTARIO LIMITED		418467
420632 ONTARIO LIMITED		420632
421635 ONTARIO LIMITED		421635
423902 ONTARIO LIMITED		423902

Name of Corporation	Ontario Corp. No.
424619 ONTARIO LIMITED	424619
426718 ONTARIO LIMITED	426718
432206 ONTARIO INC.	432206
433730 ONTARIO LIMITED	433730
435665 ONTARIO INC.	435665
436320 ONTARIO LIMITED	436320
437581 ONTARIO LIMITED	437581
437611 ONTARIO LIMITED	437611
437687 ONTARIO INC.	437687
437913 ONTARIO LTD.	437913
437980 ONTARIO LIMITED	437980
438206 ONTARIO LIMITED	438206
438235 ONTARIO LIMITED	438235
438264 ONTARIO LIMITED	438264
438281 ONTARIO LIMITED	438281
438335 ONTARIO LIMITED	438335
438565 ONTARIO LIMITED	438565
438662 ONTARIO INC.	438662
438692 ONTARIO LIMITED	438692
438733 ONTARIO INC.	438733
438739 ONTARIO LIMITED	438739
438762 ONTARIO LIMITED	438762
438785 ONTARIO LIMITED	438785
438806 ONTARIO LIMITED	438806
438859 ONTARIO LIMITED	438859
438929 ONTARIO INC.	438929
439241 ONTARIO LIMITED	439241
439277 ONTARIO LIMITED	439277
439279 ONTARIO INC.	439279
439329 ONTARIO LIMITED	439329
439368 ONTARIO INCORPORATED	439368
439369 ONTARIO LIMITED	439369
439385 ONTARIO INC.	439385
439514 ONTARIO LIMITED	439514
439539 ONTARIO LIMITED	439539
439669 ONTARIO LIMITED	439669
439672 ONTARIO LIMITED	439672
439810 ONTARIO LIMITED	439810
439885 ONTARIO LIMITED	439885
439886 ONTARIO LIMITED	439886
440026 ONTARIO LIMITED	440026
440210 ONTARIO LIMITED	440210
440236 ONTARIO INC.	440236
440575 ONTARIO INC.	440575
440860 ONTARIO LTD.	440860
444618 ONTARIO INC.	444618
444863 ONTARIO INC.	444863
448459 ONTARIO LIMITED	448459
457022 ONTARIO LIMITED	457022
457581 ONTARIO LIMITED	457581
461759 ONTARIO INC.	461759
469314 ONTARIO LTD.	469314
469991 ONTARIO INC.	469991
470072 ONTARIO INC.	470072
471390 ONTARIO INCORPORATED	471390
472267 ONTARIO LIMITED	472267
483687 ONTARIO LIMITED	483687
491968 ONTARIO INC.	491968

Orders in Council

O.C. 1032/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that the portions of highway in the Town of Iroquois Falls, in the District of Cochrane, under the jurisdiction and control of the Ministry, shown as PARTS 1 and 2 on Ministry Plan P-2322-72, filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 21st day of March, 1984, be designated as Controlled-Access Highway, pursuant to section 36 of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto.

Recommended J. SNOW,
Minister of Transportation
and Communications.

Concurred GEORGE R. MCCAGUE,
Chairman.

Approved and Ordered, April 13, 1984.

JOHN B. AIRD,
Lieutenant Governor.

O.C. 1033/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that the portion of highway in the Town of Iroquois Falls, in the District of Cochrane under the jurisdiction and control of the Ministry, shown as PART 1 on Ministry Plan P-3123-45, filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 21st day of March, 1984, be designated as Controlled-Access Highway, pursuant to section 36 of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto.

Recommended J. SNOW,
Minister of Transportation
and Communications.

Concurred GEORGE R. MCCAGUE,
Chairman.

Approved and Ordered, April 13, 1984.

JOHN B. AIRD,
Lieutenant Governor.

O.C. 1034/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that the portion of highway in the townships of Newmarket and Aurora, in the District of Cochrane, under the jurisdiction and control of the Ministry, shown as PART 1 on Ministry Plan P-2674-24, filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 21st day of March, 1984, be designated as Controlled-Access Highway, pursuant to section 36 of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto.

Recommended

J. SNOW,
Minister of Transportation
and Communications.

Concurred

GEORGE R. MCCAGUE,
Chairman.

Approved and Ordered, April 13, 1984.

JOHN B. AIRD,
Lieutenant Governor.

O.C. 1035/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that the portion of highway in the Township of St. John, in the District of Cochrane, under the jurisdiction and control of the Ministry, shown as PART 1 on Ministry Plan P-2873-9, filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 21st day of March, 1984, be designated as Controlled-Access Highway, pursuant to section 36 of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto.

Recommended J. SNOW,
Minister of Transportation
and Communications.

Concurred GEORGE R. MCCAGUE,
Chairman.

Approved and Ordered, April 13, 1984.

JOHN B. AIRD,
Lieutenant Governor.

O.C. 1036/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that the portion of highway in the Township of Hanna, in the District of Cochrane, under the jurisdiction and control of the Ministry, shown as PART 1 on Ministry Plan P-2214-35, filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 21st day of March, 1984, be designated as Controlled-Access Highway, pursuant to section 36 of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto.

Recommended J. SNOW,
Minister of Transportation
and Communications.

Concurred GEORGE R. MCCAGUE,
Chairman.

Approved and Ordered, April 13, 1984.

JOHN B. AIRD,
Lieutenant Governor.

O.C. 1037/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that the portion of highway in the Township of Black River—Matheson, in the District of Cochrane, under the jurisdiction and control of the Ministry, shown as

PART 1 on Ministry Plan P-3109-25, filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 21st day of March, 1984, be designated as Controlled-Access Highway, pursuant to section 36 of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto.

Recommended J. SNOW,
Minister of Transportation
and Communications.

Concurred GEORGE R. McCAGUE,
Chairman.

Approved and Ordered, April 13, 1984.

JOHN B. AIRD,
Lieutenant Governor.

O.C. 1038/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that the portions of highway in the townships of Lamarche and Glackmeyer, in the District of Cochrane, under the jurisdiction and control of the Ministry, shown as PARTS 1, 2 and 3 on Ministry Plan P-2213-41, filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 21st day of March, 1984, be designated as Controlled-Access Highway, pursuant to section 36 of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto.

Recommended J. SNOW,
Minister of Transportation
and Communications.

Concurred GEORGE R. McCAGUE,
Chairman.

Approved and Ordered, April 13, 1984.

JOHN B. AIRD,
Lieutenant Governor.

O.C. 1039/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that the

portions of highway in the townships of Glackmeyer, Clute, Fournier and Ottaway, in the District of Cochrane, under the jurisdiction and control of the Ministry, shown as PARTS 1 to 5 inclusive on Ministry Plan P-2474-53 filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 21st day of March, 1984, be designated as Controlled-Access Highway, pursuant to section 36 of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto.

Recommended J. SNOW,
Minister of Transportation
and Communications.

Concurred GEORGE R. McCAGUE,
Chairman.

Approved and Ordered, April 13, 1984.

JOHN B. AIRD,
Lieutenant Governor.

O.C. 1040/84

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders that the portion of highway in the Township of Black River—Matheson and in the Town of Iroquois Falls, in the District of Cochrane, under the jurisdiction and control of the Ministry, shown as PART 1 on Ministry Plan P-3111-7, filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 21st day of March, 1984, be designated as Controlled-Access Highway, pursuant to section 36 of the *Public Transportation and Highway Improvement Act*, R.S.O. 1980, Chap. 421 and amendments thereto.

Recommended J. SNOW,
Minister of Transportation
and Communications.

Concurred GEORGE R. McCAGUE,
Chairman.

Approved and Ordered, April 13, 1984.

JOHN B. AIRD,
Lieutenant Governor.

Government Notice—Under the Mining Act

LIST OF LANDS AND/OR MINING RIGHTS OPEN FOR STAKING

June 1, 1984

PURSUANT to the provisions of subsection 212 (7) of the *Mining Act*, the following lands and mining rights shall be open for prospecting, staking out, sale or lease at and after 7:00 o'clock standard time in the forenoon of the 1st day of June, 1984.

JOHN R. SLOAN,
Deputy Minister of Natural Resources.

Ministry of Natural Resources,
Whitney Block,
Parliament Buildings,
Toronto, Ontario.

DISTRICT OF COCHRANE

Account No.	Parcel No.	Description	Area (Acres)
MOUNTJOY TOWNSHIP (City of Timmins)			
C. 1184	11921 SEC	Mining Rights, N. ½ Lot 5, Concession 3, excepting the Right-of-Way of the Northern Ontario Power Company Limited; Being a strip of land 100 feet in width, 50 feet on each side of and measured perpendicularly from a centre line and centre line produced; the said centre line being described as follows: Commencing at a point in the east boundary of the said lot distant 30.62 chains measured southerly thereon from the northeast angle of the lot; Thence N. 65° 31' W. 43.95 chains to the west boundary of the said lot	154.4
NUMBERED CLAIMS AND LOCATIONS			
C. 20	4267 SEC	Mining Rights, Part P. 8846 described as follows: Commencing at the northeast corner of said Mining Claim P. 8846; Thence southerly along the eastern limit of said claim 4 chains more or less, to a point in the northern limit of the Government Road; Thence crossing said claim westerly along said northern limit to a point on the western limit of said claim; Thence north along said western limit 8 chains more or less to the northwest corner of said claim; Thence southeasterly along the northern limit of said claim 18 chains 75 links more or less to the point of commencement, City of Timmins, (formerly Shaw Township)	11.0
C. 437	5709 SEC	Mining Rights, P. 9024, (P. 18578), City of Timmins (formerly Shaw Township)	47.2
C. 437	5710 SEC	Mining Rights, P. 9026 (P. 18579), City of Timmins (formerly Shaw Township)	12.85

DISTRICT OF COCHRANE—Continued

Account No.	Parcel No.	Description	Area (Acres)
NUMBERED CLAIMS AND LOCATIONS—Continued			
C. 437	5711 SEC	Mining Rights, P. 9869 (P. 18580), City of Timmins (formerly Shaw Township)	35.0

DISTRICT OF KENORA

JAFFRAY TOWNSHIP
(Townships of Jaffray and Melick)

C. 326	Part 7457	Mining Rights, S. ½ Lot 14, Concession 1	40.0
C. 326	Part 7456	Mining Rights, S. ½ Lot 15, Concession 1	40.0

DISTRICT OF NIPISSING

SABINE TOWNSHIP

N. 24	14067 Nip.	Mining Rights, E. ½ Lot 27, West of Hastings Road (E.O. 1376)	25.0
N. 24	14068 Nip.	E. ½ Lot 28, West of Hastings Road (E.O. 1375)	25.0

DISTRICT OF RAINY RIVER

NUMBERED CLAIMS AND LOCATIONS

R.R. 140	Part 9689	Mining Rights, A.D. 4 situate near Bad Vermillion Lake	40.0
R.R. 140	9098	A.L. 116 (F.F. 572) situate near the N.E. end of Bad Vermillion Lake	40.0
R.R. 140	9099	Part A.L. 131 (F.F. 607) being that part lying north of the north limit of Location A.L. 115 and said north limit produced easterly to its intersection with the west limit of Location 690 P., situate east of Bad Vermillion Lake	37.0
R.R. 32	Part 10881	Mining Rights, Part J.O. 9 (Part F.F. 1938), situate at Glenorchy Station on the Canadian National Railway being the whole of the said Location saving and excepting thereout and therefrom that part transferred by Instrument No. 41609 dated April 3, 1944, more particularly described as follows: Commencing at the south boundary of the Canadian National Railway right-of-way where the east limit of the said parcel intersects the said right-of-way; Thence due south along the east side of the said parcel a distance of 350 feet to a point; Thence southwesterly and parallel with the south boundary of the said railway right-of-way a distance of 353 feet to a point; Thence northerly and parallel with the east boundary of the said parcel a distance of 30 feet to a point; Thence southwesterly and parallel with the south boundary of the railway right-of-way a distance of 30 feet to a point; Thence northerly a distance of 320 feet to the south boundary of the Canadian National Railway a distance of 468 feet from the place of beginning; Thence along the south boundary of the said right-of-way a distance of 468 feet to the place of beginning; Also saving and excepting thereout and therefrom Part 1 on Reference Plan R.R. 68	58.80

DISTRICT OF RAINY RIVER—Continued

Account No.	Parcel No.	Description	Area (Acres)
NUMBERED CLAIMS AND LOCATIONS—Continued			
R.R. 140	9100	Mining Rights, J.O. 41 (F.F. 570-1) situate near the N.E. end of Bad Vermillion Lake	109.8
R.R. 140	9308	Mining Rights, K. 237, situate west of Mining Location A.D. 2 and south of the east end of Bad Vermillion Lake	40.0

DISTRICT OF SUDBURY

BALFOUR TOWNSHIP
(Town of Rayside-Balfour)

S. 625	Remainder of 1102 NS	Mining Rights, Part E. 1/3 Lot 6, Concession 4, being the whole of the said E. 1/3 saving and excepting thereout and therefrom that part transferred by Instrument No. 140198 dated February 6, 1958, more particularly described as follows: Commencing at the southeast angle of said Lot 6; Thence northerly along the easterly limit of said Lot 6, 33 feet, more or less, to the northerly limit of a Public Road; Thence westerly along the northerly limit of the public road and parallel to the southerly limit of said lot, 880 feet, more or less, to a point in the line between the east one-third and the centre one-third of said Lot 6, said point being the place of beginning; Thence northerly along the line between the east one-third and the centre one-third of said Lot 6, 220 feet; Thence easterly parallel to the southerly limit of said Lot 6, 420 feet; Thence southerly parallel to the east limit of said Lot 6, 220 feet, more or less, to the northerly limit of the Public Road aforesaid; Thence westerly along the northerly limit of the Public Road aforesaid and parallel to the southerly limit of said lot, 420 feet, more or less, to the place of beginning	104.08
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FAIRBANK TOWNSHIP
(Town of Walden)

S. 100	8062 SWS	Mining Rights, N.E. 1/4 of S. 1/2 Lot 8, Concession 3 (S. 7154) ...	40.0
S. 100	8063 SWS	Mining Rights, N.W. 1/4 of S. 1/2 Lot 8, Concession 3 (S. 7156) ..	40.0
S. 100	8059 SWS	Mining Rights, N.E. 1/4 of S. 1/2 Lot 9, Concession 3 (S. 7161) ...	40.0
S. 100	8058 SWS	Mining Rights, N.W. 1/4 of S. 1/2 Lot 9, Concession 3 (S. 7162) ..	40.0
S. 100	8050 SWS	Mining Rights, N.E. 1/4 of S. 1/2 Lot 10, Concession 3 (S. 7163) ..	40.0
S. 100	8049 SWS	Mining Rights, N.W. 1/4 of S. 1/2 Lot 10, Concession 3 (S. 7166) .	40.0

FAIRBANK TOWNSHIP
(Town of Onaping Falls)

S. 100	8056 SWS	Mining Rights, N.E. 1/4 of N. 1/2 Lot 8, Concession 3 (S. 7123) ..	40.0
S. 100	8055 SWS	Mining Rights, N.W. 1/4 of N. 1/2 Lot 8, Concession 3 (S. 7116) ..	40.0
S. 100	8053 SWS	Mining Rights, S.E. 1/4 of N. 1/2 Lot 8, Concession 3 (S. 7155) ...	40.0
S. 100	8057 SWS	Mining Rights, S.W. 1/4 of N. 1/2 Lot 8, Concession 3 (S. 7121) ..	40.0
S. 100	8060 SWS	Mining Rights, N.E. 1/4 of N. 1/2 Lot 9, Concession 3 (S. 7117) ..	40.0
S. 100	8061 SWS	Mining Rights, S.E. 1/4 of N. 1/2 Lot 9, Concession 3 (S. 7119) ...	40.0
S. 100	7732 SWS	Mining Rights, S.E. 1/4 of N. 1/2 Lot 6, Concession 4 (S. 6969) ...	40.0
S. 100	7731 SWS	Mining Rights, S.W. 1/4 of N. 1/2 Lot 6, Concession 4 (S. 6970) ..	40.0

DISTRICT OF SUDBURY—Continued

Account No.	Parcel No.	Description	Area (Acres)
FAIRBANK TOWNSHIP—Continued (Town of Onaping Falls)			
S. 100	7726 SWS	Mining Rights, N.E. ¼ of N. ½ Lot 7, Concession 4 (S. 6930) ..	40.0
S. 100	7715 SWS	Mining Rights, S.W. ¼ of N. ½ Lot 7, Concession 4 (S. 6970) ..	40.0
S. 100	8052 SWS	Mining Rights, N.E. ¼ of S. ½ Lot 7, Concession 4 (S. 7020) ...	40.0
S. 100	8051 SWS	Mining Rights, N.W. ¼ of S. ½ Lot 7, Concession 4 (S. 6987) ..	40.0
S. 100	7728 SWS	Mining Rights, N.E. ¼ of S. ½ Lot 8, Concession 4 (S. 6985) ...	40.125
S. 100	7729 SWS	Mining Rights, N.W. ¼ of S. ½ Lot 8, Concession 4 (S. 6986) ..	40.125
S. 100	8064 SWS	Mining Rights, S.E. ¼ of S. ½ Lot 8, Concession 4 (S. 7011) ...	40.125
S. 100	8065 SWS	Mining Rights, S.W. ¼ of S. ½ Lot 8, Concession 4 (S. 7009) ...	40.125
S. 100	7743 SWS	Mining Rights, S.E. ¼ of N. ½ Lot 9, Concession 4 (S. 7019) ...	40.0
S. 100	7745 SWS	Mining Rights, S.W. ¼ of N. ½ Lot 9, Concession 4 (S. 7016) ..	40.0
S. 100	7744 SWS	Mining Rights, N.E. ¼ of S. ½ Lot 9, Concession 4 (S. 7015) ...	40.0
S. 100	8048 SWS	Mining Rights, N.W. ¼ of S. ½ Lot 9, Concession 4 (S. 6936) ..	40.0
S. 100	8067 SWS	Mining Rights, S.E. ¼ of S. ½ Lot 9, Concession 4 (S. 7022) ...	40.0
S. 100	7724 SWS	Mining Rights, S.E. ¼ of N. ½ Lot 10, Concession 4 (S. 6974) ..	39.875
S. 100	7725 SWS	Mining Rights, S.W. ¼ of N. ½ Lot 10, Concession 4 (S. 6973) .	39.875
S. 100	8047 SWS	Mining Rights, N.E. ¼ of S. ½ Lot 10, Concession 4 (S. 6938) ..	39.875

DISTRICT OF THUNDER BAY

CONMEE TOWNSHIP

T.B. 661	1942 DFWF	Mining Rights, N.E. ¼ of S. ½ Lot B, Concession 5	40.0
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LEDGER TOWNSHIP

T.B. 1668	4422½ TBF	Mining Rights, Part Lot 9, Concession 6, described as follows: Commencing at the southeast angle of said lot; Thence westerly along the southerly boundary 689 feet more or less to a point; Thence North 38° 16' East 186.5 feet; Thence on a curve to the left having a radius of 2,865 feet, 601 feet 6 inches; Thence North 26° 14' East 307 feet 4 inches more or less to the easterly boundary of said lot; Thence southerly along said easterly boundary 911 feet, more or less, to the place of beginning.	5.82
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McTAVISH TOWNSHIP
(Township of Shuniah)

T.B. 585	R.O.	Mining Rights, West Part of N.W. ¼ Section 2, Concession 4 ...	76.0
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NEEBING TOWNSHIP
(City of Thunder Bay)

T.B. 1663	R.O.	Mining Rights, Part Lot 19, Concession 6, south of the Kaministiquia River, being Part 2 on Plan 55R-2626	2.0
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LOCATIONS AND ISLANDS

T.B. 931	R.O.	Mining Rights, Island “A” in Thunder Bay, Lake Superior, Township of Shuniah (formerly MacGregor Township)	1.0
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THE ONTARIO GAZETTE
DISTRICT OF TIMISKAMING

Account No.	Parcel No.	Description	Area (Acres)
BUCKE TOWNSHIP (Town of Haileybury)			
T. 997	8019 NND	<p>Mining Rights, S.W. Part Lot 7, Concession 1 (12061) more particularly described as follows:</p> <p>Commencing at a point on the south limit of said broken lot at the southwest angle of that portion of said broken lot containing forty acres granted by Letters Patent dated the fifth November nineteen hundred and six to James Joseph McFadden which point is south astronomically from a point twenty chains west astronomically from a point on the east limit of said broken lot twenty chains north of the southeast angle thereof;</p> <p>Thence north astronomically 20 chains more or less to the northwest angle of said parcel granted to said James Joseph McFadden;</p> <p>Thence west astronomically 20 chains more or less along the southerly limit of that portion of said broken lot containing forty acres granted to Robert Latham McCormack the second of November nineteen hundred and nine to the west limit of said broken lot;</p> <p>Thence south astronomically along said west limit to the waters edge on the north shore of Lake Sasaginaga;</p> <p>Thence continuing southeasterly along the waters edge of said lake to the south limit of said broken lot;</p> <p>Thence east astronomically along said south limit sixteen chains, ninety-five links more or less to the place of beginning.</p>	37.0
T. 965	4331 NND	<p>Mining Rights, Part N.E. Part Lot 13, Concession 1, more particularly described as follows:</p> <p>Commencing at the northeast angle of said lot;</p> <p>Thence due south astronomically along the east limit thereof 7 chains to the northeast angle of that portion of said lot containing 20.0 acres granted by Letters Patent dated April 2, 1907 to The Hunter Cobalt Silver Mining Company Limited;</p> <p>Thence due west astronomically along the north limit of said 20.0 acres granted to the said Company 10 chains to the northwest angle thereof;</p> <p>Thence due south astronomically along the west limit of said 20.0 acres granted to the said Company 8 links;</p> <p>Thence on a course South 89° 33' West astronomically 10 chains;</p> <p>Thence due north astronomically 7 chains, more or less to the north limit of said lot;</p> <p>Thence North 89° 33' East astronomically along said north limit 20 chains to the place of beginning.</p>	14.0
EBY TOWNSHIP			
T. 774	13475 SST	<p>Mining Rights, N. ½ Lot 1, Concession 4 (L. 60613-4 and L. 60638-9)</p>	160.0

COUNTY OF HALIBURTON

Account No.	Parcel No.	Description	Area (Acres)
McCLINTOCK TOWNSHIP (Townships of Sherborne, McClintock, Livingstone, Lawrence and Nightingale)			
S.O. 325	R.O	Mining Rights, N. Pt. Lot 14, Concession 6, being all that part lying north of McFadden's Lake	20.0
MONMOUTH TOWNSHIP			
S.O. 714	R.O.	Mining Rights, Lot 14, Concession 8	100.0
S.O. 714	R.O.	Mining Rights, Lot 12, Concession 9, reserving the right-of-way of the Irondale, Bancroft and Ottawa Railway	100.0
S.O. 714	R.O.	Mining Rights, Lot 13, Concession 9	100.0
S.O. 714	R.O.	Mining Rights, Lot 14, Concession 9	100.0
S.O. 714	R.O.	Mining Rights, Lot 15, Concession 9	100.0
(4510)	18		

Management Board Orders 1983-84

The following Management Board Orders relating to the 1983-84 fiscal year have been approved.

No.	Date	Ministry	Vote- Item	Amount \$	Relating to
28	Feb. 28/84	Community and Social Services	3101-9	172,000	Additional costs of the Social Assis- tance Review Board.
29	Feb. 28/84	Education	3201-1	238,900	Salary revisions, grant to the Cana- dian Institute for Advanced Research and special grant related to the Audio/Visual Resource Centre.
30	Feb. 28/84	Environment	2101-1	166,500	Severance payments, additional costs for supplies and equipment.
31	Feb. 28/84	Treasury and Economics	901-1	200,000	Additional Main Office staff, other direct operating expenditures.
			901-2	29,400	Salary revisions.
			901-4	35,000	Salary revisions.
			901-5	140,000	Salary revisions and other direct operating expenditures.
			901-7	15,000	Salary revisions.
			902-1	112,000	Salary revisions.
			904-1	150,000	Salary revisions.
			904-2	6,000,000	Barrie-Innisfil Infrastructure pro- ject.
32	Feb. 28/84	Consumer and Commercial Relations	1502-3	1,400,000	Costs incurred under the <i>Loan and Trust Corporations Act</i> .
33	Mar. 5/84	Citizenship and Culture	2902-1	168,900	Salary revisions, additional salary and operating expenditures.
34	Mar. 5/84	Community and Social Services	3101-3	289,600	Consolidation of functions in the Supply and Office Services activity.
35	Mar. 5/84	Consumer and Commercial Relations	1502-1	963,000	Additional costs due to increased mandate and general hearings.

No.	Date	Ministry	Vote-Item	Amount \$	Relating to
			1502-6	490,000	Salary revisions, additional costs related to improved regulation process in Business Practices activity.
			1507-1	1,045,500	Expenditure adjustments for the Liquor Licence Board of Ontario.
36	Mar. 5/84	Correctional Services	1601-2	87,900	Salary revisions.
			1601-3	156,500	Salary revisions, increased workload.
			1601-4	47,300	Salary revisions.
			1601-7	14,500	Salary revisions.
			1602-2	7,239,500	Salary revisions, Voluntary Retirement Option payments and increased workload.
			1602-3	35,100	Salary revisions.
			1602-4	76,100	Salary revisions.
			1603-1	20,500	Salary revisions.
			1603-3	255,300	Salary revisions, increased workload.
			1603-4	75,300	Salary revisions.
37	Mar. 5/84	Energy	2001-1	19,500	Salary revisions.
			2001-2	359,000	Additional costs associated with the establishment of Office of the Deputy Premier.
			2005-2	123,000	Increased workload in the Ontario Energy Board.
38	Mar. 5/84	Environment	2102-1	13,600	Salary revisions, increased costs of direct operating expenditures.
			2103-5	1,663,000	Salary revisions, waste clean-ups.
			2103-6	1,609,100	Salary revisions, septic inspections under the <i>Environmental Protection Act</i> .
			2104-4	1,510,000	Operating expenditures for Ontario Waste Management Corporation.
39	Mar. 5/84	Government Services	501-1	98,000	Salary revisions, employee benefits costs, Public Works Conference and office support system.
			501-8	174,800	Salary revisions, increased operating costs.
			505-1	65,900	Salary revisions, word processing system.
40	Mar. 5/84	Natural Resources	2501-4	265,400	Salary revisions, Voluntary Retirement Option payments and other operating expenditures.
41	Mar. 5/84	Solicitor General	1701-1	275,000	Salary revisions, re-allocation of staff, Ministry policy development.
			1701-2	200,000	Salary revisions, re-allocation of staff.
			1701-8	25,000	Salary revisions.
			1702-1	25,000	Salary revisions, re-allocation of staff.
			1704-1	250,000	Salary revisions, Voluntary Retirement Option payments.
			1704-4	1,300,000	Salary revisions, operation of O.P.P. fleet.
			1704-5	2,200,000	Salary revisions, Voluntary Retirement Option payments.
			1704-7	450,000	Salary revisions, Forensic Accounting fees.

No.	Date		Ministry	Vote-Item	Amount \$	Relating to
42	Mar.	5/84	Tourism and Recreation	2601-5	214,700	Additional funds for Experience '83.
				2602-4	149,500	Salary revisions, funding for unclassified staff in conjunction with Ministry's field re-organization.
43	Mar.	5/84	Transportation and Communications	2701-4	143,100	Salary revisions.
				2703-2	789,200	Salary revisions.

Applications to
Parliament —
Private Bills

PUBLIC NOTICE

LEGISLATIVE ASSEMBLY OF ONTARIO

The attention of Municipal Officials, Solicitors and all other persons who may be interested in the preparation of Private Bills for submission to the Legislative Assembly of Ontario is directed particularly to the following Standing Orders governing the submission of such Bills:

NOTE: The previous Standing Orders of the Legislative Assembly have been repealed and the following put into effect by Order of the House passed on Thursday, December 14th, 1978, and on Tuesday, May 13th, 1980.

Attention is drawn to the more important changes:—

- No time limit.
- No penalties for late filing.
- Required notice of advertising reduced to four weeks from six weeks.

PRIVATE BILLS

Filing Bill with Clerk

65. (a) Any person, group or corporation may apply for a Private Bill by filing with the Clerk of the House a copy of the Bill together with a fee of \$150.00.

Applicant to pay cost of printing

(b) Every applicant for a Private Bill shall pay the cost of printing the Bill, including the cost of printing the Act in the annual Statutes.

Other charges

(c) Where a Standing Order is suspended with reference to a Bill, a charge of \$50.00 shall be levied.

Additional fees

(d) Where a Bill incorporates a company, or increases the capital stock of a company already incorporated, there shall be paid to the Clerk of the House, by or on behalf of the applicant, before the same is reported to the House, the same fee as would be payable in the case of an incorporation or increase of capital under The Business Corporations Act, less the sum of \$150.00 already paid to the Clerk of the House.

(e) When a Bill is for the purpose of confirming by-laws, bonds, debentures or other securities, or authority is asked to borrow money or to increase borrowing powers, the following additional fees shall be paid according to the amount of money involved:—

On amounts less than \$10,000	\$ 25
On amounts over \$10,000 and up to \$25,000	50
On amounts over \$25,000 and up to \$40,000	75
On amounts over \$40,000 and up to \$75,000	100
On amounts over \$75,000 and up to \$125,000	125
On amounts over \$125,000 and up to \$175,000	150
On amounts over \$175,000 and up to \$250,000	200
On amounts over \$250,000 and up to \$350,000	250
and an additional fee of \$50 for every \$100,000 over \$350,000.	

Publication of Standing Orders re Private Bills

(f) The Clerk of the House shall publish weekly in *The Ontario Gazette* the Standing Orders respecting applications for Private Bills.

Required notice of applications

(g) Notice of an application for a Private Bill shall be given before it is referred to a Standing Committee by publishing it once a week for at least four weeks in each of *The Ontario Gazette* and one newspaper circulated in the municipality most affected and the notice shall,

- (i) be signed by or on behalf of the applicant;
- (ii) clearly state the nature and object of the application;
- (iii) when the application refers to any proposed work, indicate generally the location of the work; and

Bills for debenture issues

(iv) where the application is by a municipal corporation for authority to issue debentures, set out the particulars of the existing debenture debt and the amount of the rateable property of the municipality according to the last revised assessment roll of the corporation and in brief and general terms, the object for which the new issue of debentures is required.

Clerk reports to Standing Procedural Affairs Committee

66. (a) The Clerk of the House shall refer to the Standing Procedural Affairs Committee any application that, in his opinion, does not comply with the Standing Orders.

Declaration re advertising

(b) The applicants for a Private Bill shall lodge with the Clerk of the House a declaration proving publication of the notice.

Letters Patent

67. When any Bill for confirming any Letters Patent, or Agreement, is presented to the House, the copy of such Charter or Agreement, shall be attached to it.

Certificate of Minister of Revenue re Letters Patent

68. No Bill relating to the status of a corporation shall be considered by any Committee until there

has been deposited with the Clerk of the House a certificate of the Minister of Revenue showing that all taxes payable under The Corporations Tax Act in respect of the corporation have been paid.

Reference to Standing Committee after first reading. Exceptions

69. Every Private Bill when read a first time, shall, unless it is an Estate Bill, or a Bill providing for a consolidation of a floating debt or for the consolidation or renewal of debentures (other than local improvement debentures) of a municipal corporation, stand referred to the appropriate Standing Committee, and any Petitions to the House for or against the Bill stand referred to any such Committee.

Certain Municipal Applications referred to Ontario Municipal Board

70. (a) A Private Bill of a municipal corporation providing for the consolidation of a floating debt, or the consolidation or renewal of debentures (other than local improvement debentures) stand referred to the Ontario Municipal Board after first reading.

Board to report

(b) The Board, after due enquiry, shall report to the House whether or not it is reasonable that the Bill, or that part thereof relating to the matters referred to in clause (a), should pass and what, if any, alterations should be made in the Bill.

Report to Clerk

(c) A report shall be transmitted to the Clerk of the House.

Bill and report to Standing Committee

(d) The Bill and report shall stand referred to the appropriate Standing Committee.

Estate Bills referral

71. (a) Every Estate Bill or part of a Bill that contains an Estate Bill provision stands referred to the Commissioners of Estate Bills after first reading.

Report of Commissioners

(b) The Commissioners of Estate Bills, or any two of them, shall report their opinion on the Bill or the part thereof that has been submitted to them, and whether, presuming the allegations contained in the Preamble to be proven to the satisfaction of the House, it is reasonable for the Bill or the part thereof to pass and what, if any, alterations are necessary.

Report sent to Clerk

(c) A report of the Commissioners of Estate Bills shall be transmitted to the Clerk of the House.

Effect of adverse report

(d) Where the Commissioners of Estate Bills report that, in their opinion, it is not reasonable that the Bill or the part thereof submitted to them pass into law, the Bill or the part thereof shall not be further considered.

Bill and report to Committee

(e) Where the Bill or the part thereof submitted to the Commissioners of Estate Bills is reported favourably by the Commissioners, the Bill and the report shall stand referred to the appropriate Standing Committee and where only part of a Bill is submitted to the Commissioners and the Commissioners report that, in their opinion, it is not reasonable that the part pass into law, the Bill, except for the part to which the report applies, shall stand referred to the appropriate Committee.

Notice re Hearing by Standing Committee

72. (a) The Clerk of the House shall post on all notice boards five days notice of the date on which any Private Bill is to be considered by a Committee and the notice shall be published in the Notice Paper.

Notice of Next Day Meetings on Private Bills

(b) The Clerk shall also publish in the Notice Paper a notice of any meeting of a Committee to consider Private Bills to be held on the following day.

Consent of interested persons

73. Any person whose interest or property may be affected by a Private Bill, when required, shall appear before the Committee considering the Bill to express his consent or objection, or may consent in writing, proof of which may be demanded by the Committee.

On Order Paper after report

74. Private Bills when reported by Standing Committees shall be placed on the Order Paper for second reading.

Bills initialled and signed by Chairman

75. (a) The Chairman of a Committee considering a Private Bill shall initial each section of the Bill as it is passed and sign the Bill.

Amendments

(b) Amendments shall be clearly indicated in the signed copy, and the amendments or additions shall be initialled by the Chairman.

Reprinting amended Bills

76. Private Bills amended by a Committee or the Commissioners may be reprinted before further consideration as the Clerk of the House may direct and the applicant shall pay the cost of printing the Bill.

Referral after second reading

77. Private Bills, after second reading, shall be ordered for third reading, unless specially ordered referred to the Committee of the Whole House.

Notice required to dispense with Standing Orders

78. Except by unanimous consent of the House given in case of urgent and pressing necessity, no

motion may be made to dispense with any Standing Order relating to Private Bills without due notice thereof.

Private Bill Register

79. A Private Bill Register shall be kept in the office of the Clerk of the House, in which shall be entered, by the Clerk appointed for that purpose, the name, description, and place of residence of the parties applying for the Bill, or of their agent, and all the proceedings thereon, such register to be open to public inspection daily, during office hours.

Parliamentary Agents

80. (a) Every Parliamentary Agent conducting proceedings before the House is personally responsi-

ble to the House and to the Speaker for the observance of the Standing Orders and Practices of Parliament, and also for the payment of all fees and charges.

Misconduct of Agent

(b) Any agent who wilfully acts in violation of the Standing Orders and Practices of Parliament, or who wilfully misconducts himself in prosecuting any proceedings before the House, is liable to an absolute or temporary prohibition to practise as a Parliamentary Agent, at the pleasure of the Speaker.

RODERICK LEWIS, Q.C.,
Clerk of the Legislative Assembly of Ontario.

Petitions to Parliament

Extract from the rules respecting the presentation of petitions

Form	29. (c) Petitions may be either written or printed and only the original, properly signed, and addressed to the Lieutenant Governor and the Legislative Assembly need be presented.
May not be signed by solicitor. Exceptions	(d) Petitions may not be signed by a solicitor as such, unless he is acting for a petitioner unable to sign due to absence from the Province or illness, and only then if the solicitor holds a Power of Attorney to be produced to the Clerk of the House if required.
Members responsible for contents	(e) Members presenting petitions are answerable that they do not contain any improper matter.
No petitions for expenditure of public funds	(f) No petition can be received which prays for any expenditure, grant or charge on the public revenue, whether payable out of the Consolidated Revenue Fund, or out of moneys to be provided by the House.

SAMPLE FORM FOR PETITIONS

*To the Honourable the Lieutenant Governor and the
Legislative Assembly of Ontario:*

We, the undersigned, beg leave to petition the Parliament of Ontario, as follows:

NOTE: The subject of the Petition must relate to a grievance within the competence of the Assembly to remedy and must not pray for any expenditure, grant or charge on the public revenue.
The Member of the House presenting the Petition for the petitioners must endorse his name thereon and be answerable that it contain no improper matter.

RODERICK LEWIS, Q.C.,
Clerk of the Legislative Assembly of Ontario.

Applications to Parliament

THE CORPORATION OF THE CITY OF WINDSOR

APPLICATION FOR PRIVATE LEGISLATION

NOTICE IS HEREBY GIVEN that on behalf of The Corporation of the City of Windsor application will be made to the Legislative Assembly of the Province of Ontario at its next regular session commencing in 1984 for an Act

(1) (a) to require that the owner or operator of a public garage used as a motor vehicle repair shop shall not commence repair of a motor vehicle until the customer has been provided with,

(i) a written statement that the cost of repairs and parts will not exceed \$30 where the estimated cost of repairs and parts is \$30 or less; or

(ii) a written estimate of the cost of repairs and parts where the estimated cost of repairs and parts is more than \$30.

(2) The customer in writing may authorize the owner or operator to effect repairs and supply parts in an amount not exceeding a stipulated sum of money.

(3) The operator shall not charge for work done or parts supplied in excess of the written estimate or in excess of the stipulated limit stated by the customer without the written or oral consent of the customer.

(4) If the customer is informed that the cost of repair will exceed the written estimate or the stipulated limit and the customer does not wish the repair work performed, the customer is liable for all reasonable costs incurred in returning the motor vehicle to a condition it was in when it entered the public garage and the customer shall be given an itemized, written statement of such work.

(5) If the estimated price or stipulated limit is exceeded by not more than ten per cent, the written or oral consent of the customer for the excess charge need not be obtained.

(6) This section does not apply where the customer requests and executes a release, in writing, of the requirements of this Section or of a by-law passed under this Section.

2.—(1) That the Council of the Corporation may pass by-laws

(a) for prescribing standards for the cutting of grass on occupied and vacant property and on that part of the street right-of-way extending from the property line to the curb or, where there is no curb, to the edge of the travelled portion of the highway;

(b) for requiring that the owners or tenants of land in the City of Windsor shall keep the lands surrounding all buildings or structures free and clear from debris or refuse and to cut the grass in accordance with prescribed standards and to keep vacant lands free and clear

of debris or refuse and cut the grass in accordance with prescribed standards and to keep the street right-of-way, extending from the property line to the curb or, where there is no curb, to the edge of the travelled portion of the highway, free and clear of debris and to cut the grass thereon in accordance with prescribed standards and to keep the alley and lanes alongside or at the rear of lands free and clear of debris or refuse.

(2) If, after inspection, an officer, meaning a person from time to time designated by the Council of the Corporation to enforce the provisions of a by-law passed under this provision, is satisfied that in some respect the property does not conform with the standards prescribed in the by-law, a notice shall be served or sent by certified mail to the owner or tenant of the property containing particulars of the non-conformity.

(3) After affording any person served with a notice provided for in subsection (2) an opportunity to appear before the officer and to make representations in connection therewith, the officer may make and serve or cause to be served upon or sent by certified mail to such person an order containing

(a) the municipal address or legal description of such property;

(b) a direction that lands, alleys or lanes are to be cleared of all debris or refuse and the cutting of the grass and the period in which there must be compliance with the terms and conditions of the direction and notice that if such clearing of debris or refuse and cutting of grass is not so done within the time specified in the order, the municipality may carry out the clearing of the debris or refuse and the cutting of the grass at the expense of the owner or tenant.

(4) A notice or order under subsections (2) or (3) when sent by certified mail shall be sent to the last known address of the person to whom it is sent, and if the officer is unable to effect service, he shall place a placard containing the terms of the notice or order in a conspicuous place on the property and the placing of the placard shall be deemed to be sufficient service of the notice or order upon the owner or tenant.

(5) Where the municipality removes debris or refuse or cuts the grass, the municipality may recover the expense incurred in respect thereof by any and all the methods prescribed in Section 325 of the *Municipal Act*.

(6) Section 2 of the *City of Windsor Act, 1956* will be repealed.

3. The Council of the Corporation may pass by-laws for requiring and regulating the posting of signs in those school buses and in those parts of buildings and structures to which the public has access advising the public that smoking is prohibited in school buses and in all or part of such buildings or structures, and the municipality shall have the power to inspect, at any reasonable time, school buses and those parts of buildings or structures to which the by-law applies.

4. The *City of Windsor Act, 1982*, providing for the payment of the whole or part of the cost of the Ontario

Health Insurance Plan and of any supplementary health insurance plan, is amended to clarify that the coverage includes retired employees, their spouses and dependants, and the spouses and dependants of deceased employees.

5.—(1) The municipality may pass by-laws for licensing, regulating and governing persons whose names are entered on the assessment roll for the first time in respect of business assessment and who offer goods, wares or merchandise for sale, and sales persons who assist transient traders and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment.

(2) By-laws may be passed for requiring the payment of a licence fee by sales persons who assist transient traders and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment.

(3) The fee to be paid for licence in the case of a transient trader and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment who offer goods, wares or merchandise for sale shall be equal to one-half of one per cent of the regular retail value or merchandise made available for sale at a sales event, provided, however, that the fee shall not be less than \$500 and not more than \$5,000, and the fee to be paid for licence in the case of sales persons who assist transient traders and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment shall be \$100. "Sales event" means the sale of goods on the number of days, excluding Sundays and holidays, listed on the application filed with the Licence Commissioner, provided, however, that a sales event conducted by a transient trader shall not exceed 90 days.

(4) The section does not apply to the sale of stock of a bankrupt or an insolvent within the meaning of any Bankruptcy or Insolvency Act in force in Ontario, nor to the sale of any stock damaged by or by reason of fire which is being sold or disposed of within the municipality in which the business is carried on at the time of bankruptcy, insolvency or fire so long as no goods, wares or merchandise are added to such stock.

(5) The sum paid for a licence shall be credited to the person paying it, or to any bona fide purchaser of the business who carries on the business on account of taxes payable in respect of the business and in respect of real property taxes on the land used for the purpose of, or in connection with the business if the land is owned by the person carrying on the business during the year in which the licence was issued and five years thereafter.

This application will be considered by a Standing Committee of the Legislative Assembly. Any person who has an interest in the application and who wishes to make submissions, for or against the application, to the Standing Committee should notify, in writing, the Clerk of the Legislative Assembly, Queen's Park, Toronto, Ontario, M7A 1A2.

Dated at Windsor, this 11th day of April, 1984.

A. S. KELLERMAN,
Solicitor,
The Corporation of the
City of Windsor.

(7079) 17 to 20

THE REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

ONTARIO LEGISLATIVE ASSEMBLY NOTICE OF APPLICATION FOR PRIVATE LEGISLATION

NOTICE IS HEREBY GIVEN that on behalf of The Regional Municipality of Hamilton-Wentworth, application will be made to the Legislative Assembly of the Province of Ontario at its present Session for a private Act to:

1. Revise the composition of the Regional Board of Commissioners of Police for the appointment of three members by Regional Council and two members by the Lieutenant-Governor-in-Council, and
2. To provide for the collection of payments for arrears of water rates owing to the Regional Corporation, in the same manner and with the same legal remedies as are available for the collection of arrears of realty taxes, including the right to sell lands for such water arrears, and
3. To provide that no person may obtain title by adverse possession to any lands owned and occupied by the Regional Corporation, and
4. To provide for the election of the Chairman of the Regional Council by the electors entitled to vote in the area municipal elections commencing November, 1985.

This Application will be considered by a Standing Committee of the Legislative Assembly. Any person who has an interest in the Application and who wishes to make submissions, for or against the Application, to the Standing Committee should notify, in writing, the Clerk of the Legislative Assembly, Queen's Park, Toronto, Ontario, M7A 1A2.

Dated at Hamilton, Ontario, this 17th day of April, 1984.

THE REGIONAL MUNICIPALITY
OF HAMILTON-WENTWORTH,
119 King Street West,
15th Floor,
P.O. Box 910,
Hamilton, Ontario L8N 3V9.

(7097) 18 to 21

Corporation Notices

ALBERT QUAIT CO. LIMITED

NOTICE IS HEREBY GIVEN that Albert Quait Co. Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the *Business Corporations Act*.

Dated at Tillsonburg, this 13th day of April, 1984.

(7098) 18

ALBERT QUAIT,
President.

**OSHAWA MEDICAL LABORATORIES
LIMITED**

NOTICE IS HEREBY GIVEN that Oshawa Medical Laboratories Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations pursuant to the *Business Corporations Act, 1982*.

Dated at Oshawa, this 17th day of April, 1984.

(7099) 18 HAROLD MONTGOMERY,
President.

**SPEED-AIR HEATING & AIR
CONDITIONING INC.**

NOTICE IS HEREBY GIVEN that Speed-air Heating & Air Conditioning Inc. intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations pursuant to the *Business Corporations Act, 1982*.

Dated at Oshawa, this 16th day of April, 1984.

(7100) 18 FRANK DEL GOBBO,
President.

**BRUCE ENERGY CENTRE
DEVELOPMENT CORPORATION**

NOTICE IS HEREBY GIVEN that Bruce Energy Centre Development Corporation intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated the 11th day of April, 1984.

(7101) 18 MALCOLM ROWAN,
President.

**KINCARDINE BY-PRODUCT
CORPORATION**

NOTICE IS HEREBY GIVEN that Kincardine By-Product Corporation intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated the 11th day of April, 1984.

(7102) 18 PETER SZEGO,
President.

**BRUCE THERMAL UTILITY
CORPORATION**

NOTICE IS HEREBY GIVEN that Bruce Thermal Utility Corporation intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated the 11th day of April, 1984.

(7103) 18 MALCOLM ROWAN,
President.

BRUCE AGRIPARK CORPORATION

NOTICE IS HEREBY GIVEN that Bruce Agripark Corporation intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated the 11th day of April, 1984.

(7104) 18 ROBERT LAW,
Secretary.

RODELCO INVESTMENTS LIMITED

NOTICE IS HEREBY GIVEN that Rodelco Investments Limited intends to dissolve by Articles of

Dissolution pursuant to the *Business Corporations Act, 1982*.

Dated at Toronto, this 23rd day of April, 1984.

(7105) 18 GINO ROSSETTI,
Secretary.

**MIMICO BEACH DEVELOPMENTS
LIMITED**

NOTICE IS HEREBY GIVEN that Mimico Beach Developments Limited intends to dissolve by Articles of Dissolution pursuant to the *Business Corporations Act, 1982*.

(7106) 18 ALEXANDER ALEXANDER,
Secretary.

**SWEDISH WOMEN'S EDUCATIONAL
ASSOCIATION OF CANADA****SPECIAL RESOLUTION NUMBER 2****AMENDMENT OF BY-LAW No. 1**

RESOLVED that By-law No. 1 of the Corporation be and is hereby amended by the addition of Article XVI to be titled DISSOLUTION, that upon the Dissolution of the Corporation and after the payment of all debts and liabilities, the remaining property or part thereof of the Corporation shall be distributed or disposed of to charitable organizations or to organizations whose objects are beneficial to the community.

Passed by the Board of Directors at a meeting held on January 11, 1984.

(7107) 18 KAREN CLIFFORD,
Vice President.

**ONTARIO EDUCATIONAL SERVICES
CORPORATION**

NOTICE IS HEREBY GIVEN that Ontario Educational Services Corporation intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated at Toronto, this 18th day of April, 1984.

(7110) 18 I. G. MCHAFFIE,
President.

NOTICE IS HEREBY GIVEN that Frank X Phillips Silver Shop Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Elora, this 17th day of April, 1984.

(7111) 18 MYRNA PHILLIPS,
Secretary.

272817 ONTARIO INCORPORATED

NOTICE IS HEREBY GIVEN that 272817 Ontario Incorporated intends to file Articles of Dissolution under the *Business Corporations Act, 1982*, S.O. 1982, Chapter 4.

Dated at Hamilton, Ontario, this 11th day of April, 1984.

(7112) 18 ALEX LEBLOVIC,
President.

NOTICE IS HEREBY GIVEN that P. W. Goodwin & Associates Ltd. intends to dissolve by filing Articles of

Dissolution, pursuant to the *Business Corporations Act of Ontario*.

Dated this 16th day of April, 1984 at the City of Toronto.

(7113) 18

TAKE NOTICE that Margo C. Tradings Inc. intends to file Articles of Dissolution pursuant to the *Business Corporations Act of Ontario* to take effect forthwith.

Dated at Toronto, this 17th day of April, 1984.

MARGO C. TRADINGS INC.,
By its solicitors,
HUI, HUNE AND WONG,

(7114) 18

KRISTANA INVESTMENTS LIMITED

NOTICE IS HEREBY GIVEN that Kristana Investments Limited intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated at Toronto, this 16th day of April, 1984.

(7115) 18 MANFRED A. TIKAL,
Secretary-Treasurer.

NOTICE OF INTENTION TO DISSOLVE BISHOP REALTY, LIMITED

NOTICE IS HEREBY GIVEN that Bishop Realty, Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at London, Ontario, this 13th day of April, 1984.

(7116) 18 F. J. LAVERTY,
Secretary-Treasurer.

TPIC CANADA HOLDINGS INC.

NOTICE IS HEREBY GIVEN that TPIC Canada Holdings Inc. intends to dissolve pursuant to the *Business Corporations Act, 1982 (Ontario)*.

Dated at New York, this 12th day of April, 1984.

(7117) 18 D. B. BLOCK,
Secretary.

IN THE MATTER OF Burns Cooper Hynes Limited, in Voluntary liquidation;

AND IN THE MATTER OF The Ontario Business Corporations Act, R.S.O. 1982, c. 4, s. 192 (4).

NOTICE IS HEREBY GIVEN that a resolution was consented to by the signature of the shareholders of Burns Cooper Hynes Limited on the 5th day of March, 1984, requiring the said Corporation to be wound up voluntarily under the provisions of the *Business Corporations Act* and appointing Coopers & Lybrand Limited, 145 King Street West, Toronto, Ontario, M5H 1V8, as liquidator of the estate and effects of the Corporation for the purpose of winding-up its affairs and distributing its property. This notice is filed pursuant to subsection 192 (4) of the *Ontario Business Corporations Act*.

Dated at Toronto, this 18th day of April, 1984.

(7118) 18 COOPERS & LYBRAND LIMITED,
145 King Street West,
Toronto, Ontario M5H 1V8.

561286 ONTARIO LIMITED

NOTICE IS HEREBY GIVEN that 561286 Ontario Limited intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated at Ottawa, this 18th day of April, 1984.

(7119) 18

GRACCO AUTO SALES LIMITED

TAKE NOTICE that Gracco Auto Sales Limited intends to dissolve pursuant to the provisions of the *Ontario Business Corporations Act*.

Dated the 13th day of April, 1984.

(7120) 18

NOTICE IS HEREBY GIVEN that Henruth Limited intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated at Toronto, Ontario, this 13th day of April, 1984.

(7121) 18 RUTH COOPER,
Secretary.

MEADOWEST PRESCHOOL

NOTICE IS HEREBY GIVEN that the number of directors of Meadowest Preschool was increased from seven (7) to ten (10) by a special resolution which was confirmed by the members of the Corporation on the 5th day of April, 1984.

Dated at Toronto, this 16th day of April, 1984.

(7122) 18 M. WESELOH,
Secretary.

CLONMEL INVESTMENTS LIMITED

NOTICE IS HEREBY GIVEN that Clonmel Investments Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the *Business Corporations Act*.

Dated at Ottawa, this 30th day of March, 1984.

(7123) 18 D. C. G.
Secretary.

NOTICE OF INTENTION TO DISSOLVE FUNDCO FRUIT INC.

NOTICE IS HEREBY GIVEN that Fundco Fruit Inc. intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the *Business Corporations Act, 1982*.

Dated at Waterloo, Ontario, this 16th day of April, 1984.

(7124) 18 KIM D. LUND,
President.

NOTICE OF INTENTION TO DISSOLVE COLUMBUS DIXON (CANADA) LIMITED

NOTICE IS HEREBY GIVEN that Columbus Dixon (Canada) Limited intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated this 10th day of April, 1984.

MARTIN K. I. RUMACK,
Secretary-Treasurer.

(7125) 18

NOTICE OF DISSOLUTION CERAMIC OWL INC.

NOTICE IS HEREBY GIVEN that Ceramic Owl Inc. intends to dissolve pursuant to the *Business Corporations Act, 1982* on April 30, 1984.

Dated April 24, 1984.

M. DONALD TRIMBLE,
President.

(7126) 18

THE SWITHLAND CORPORATION LIMITED

NOTICE IS HEREBY GIVEN that The Swithland Corporation Limited intends to dissolve by filing Articles of Dissolution pursuant to the *Business Corporations Act, 1982*.

Dated the 24th day of April, 1984.

JAMES S. CLARKE,
President.

(7127) 18

HAWKESTONE DAIRY PRODUCTS LIMITED

NOTICE IS HEREBY GIVEN that Hawkestone Dairy Products Limited intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated at Barrie, this 18th day of April, 1984.

CATHERINE JEAN GRAHAM,
Secretary.

(7128) 18

ACTION DAY CARE CORPORATION

Ontario Corporation No. 507559

NOTICE IS HEREBY GIVEN that the number of directors of Action Day Care Corporation was increased from five (5) to nine (9) by a special resolution which was confirmed by the members of the corporation on the 1st day of December, 1983.

Dated this 2nd day of December, 1983.

(7129) 18

NOTICE OF INTENTION TO DISSOLVE HOLLINGSWORTH TERMINALS LIMITED

Hollingsworth Terminals Limited hereby gives notice pursuant to the provisions of the *Business Corporations Act, 1982* of its intention to dissolve.

Dated at Philadelphia, Penn., this 19th day of April, 1984.

JACK R. HOLLINGSWORTH III,
President.

(7130) 18

NOTICE OF INTENTION TO DISSOLVE

TAKE NOTICE that Random Acres Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Kitchener, Ontario, this 23rd day of April, 1984.

EDNA K. BILL,
President.

(7131) 18

DAVE PRICE PRODUCTIONS LIMITED

TAKE NOTICE that Dave Price Productions Limited intends to dissolve by filing Articles of Dissolution pursuant to the *Business Companies Act*.

Dated this 19th day of April, 1984.

(7132) 18

DAYMOND ATHLETIC INC.

NOTICE IS HEREBY GIVEN that Daymond Athletic Inc. intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Toronto, this 17th day of April, 1984.

(7133) 18

NOTICE OF INTENTION TO DISSOLVE PEGWAY HOLDINGS LIMITED

NOTICE IS HEREBY GIVEN that Pegway Holdings Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated this 17th day of April, 1984.

MESSRS. JASKULA, SHERK,
P.O. Box 60, Station B,
678 Main Street East,
Hamilton, Ontario L8L 7V7.

Solicitors for Pegway
Holdings Limited.

(7134) 18

STEELE-KEN CO. LIMITED

NOTICE IS HEREBY GIVEN that Steele-Ken Co. Limited intends to make Application to the Ministry of Consumer and Commercial Relations for a Certificate dissolving the said Corporation, and to distribute its assets rateably among its Shareholders as incidental thereto.

Dated this 31st day of October, 1983.

J. H. MORLOCK,
Secretary.

(7135) 18

TAKE NOTICE that Mirot International Inc. intends to dissolve by filing Articles of Dissolution pursuant to the *Business Corporations Act, 1984*.

Dated April 20th, 1984.

(7142) 18

TAKE NOTICE that 450320 Ontario Limited intends to dissolve by filing Articles of Dissolution with the Minister of Consumer and Commercial Relations, pursuant to the *Business Corporations Act*.

Dated at Toronto, Ontario, this day, April 6, 1984.

(7143) 18

SIXTUS INVESTMENTS LTD.

TAKE NOTICE that Sixtus Investments Ltd. has applied to the Ministry of Consumer and Commercial Relations for voluntary dissolution.

Dated at Toronto, this 24th day of April, 1984.

A.E. ST. MARIE,
Managing Director.

(7144) 18

NOTICE OF INTENTION TO DISSOLVE
SNOW HOLDINGS LTD.

NOTICE IS HEREBY GIVEN that Snow Holdings Ltd. intends to dissolve pursuant to the *Business Corporations Act, 1982*.

Dated this 25th day of April, 1984.

(7145) 18 EDWIN RANDOLPH SNOW,
President.

521792 ONTARIO LIMITED

521792 Ontario Limited hereby gives notice pursuant to the *Ontario Business Corporations Act, 1982* of its intention to dissolve.

Dated the 18th day of April, 1984.

(7146) 18 JANE D. HARDIE,
President.

NOTICE

TAKE NOTICE that Toronto Orthopaedic Services Limited intends to file Articles of Dissolution pursuant to the provisions of Section 236 of the *Business Corporations Act, 1982*.

Dated at Toronto, this 19th day of April, 1984.

(7147) 18 MARJORIE J. SIMMONS,
President.

INSTITUTE OF RESEARCH INTO AIDS
FOR THE HANDICAPPED INC.

NOTICE IS HEREBY GIVEN that Institute of Research into Aids for the Handicapped Inc. intends to surrender its charter pursuant to the *Business Corporations Act*.

Dated at Shelburne, this 31st day of March, 1984.

(7148) 18

Dissolution of Partnership

PARTNERSHIP BETWEEN
MR. ALLAN LENECK
AND
MR. RAYMOND MOREAU

NOTICE IS HEREBY GIVEN that Allan Leneck has dissolved his partnership with Raymond Moreau pursuant to the *Partnerships Act, s. 32*.

Dated at Toronto, this 23rd day of April, 1984.

(7136) 18 ALLAN LENECK.

Change of Name Act

TAKE NOTICE that Julie Rhea Doucet, of the Town of Fort Erie, in the Regional Municipality of Niagara has applied to the County Court of the Judicial District of Niagara South to change her name to Julie Rhea Light.

AND TAKE NOTICE that the application will be heard on Wednesday, the 23rd day of May, 1984 by

the presiding Judge at his Chambers at Welland, Ontario.

Dated at Fort Erie, this 19th day of April, 1984.

(7137) 18 THOM W. ARTHUR,
Barrister and Solicitor,
333 Ridge Road North,
P.O. Box 809,
Ridgeway, Ontario L0S 1N0,
Solicitor for the Applicant.

IN THE COUNTY COURT OF THE
JUDICIAL DISTRICT OF
NIAGARA SOUTH

IN THE MATTER OF the *Change of Name Act, R.S.O. 1980, Chapter 62* and amendments thereto; and

IN THE MATTER OF Lisa Windebank, infant, (change of name to Lisa Corinna Ashby).

NOTICE OF MOTION

TAKE NOTICE that a motion will be made to the Court on behalf of the applicant, Patricia Ann Ashby, before the presiding Judge in Chambers at Welland, on Wednesday, the 9th day of May, 1984, at 9:30 o'clock in the forenoon, or so soon thereafter as the application can be heard, for an Order changing the name of Lisa Windebank, infant, to Lisa Corinna Ashby.

Dated at Welland, Ontario, this 18th day of April, 1984.

(7138) 18 FLETT, BECCARIO, CROUCH,
MORRISON AND D'AMICO,
Barristers and Solicitors,
190 Division Street,
Welland, Ontario,
Solicitors for the Applicant.

TAKE NOTICE that an application on behalf of Yedfard Abdul Meseh Abdul Ahad, also known as Edward Ahad of 65 Thornbury Circle, Thornhill, and on behalf of his spouse Ai Ping Ahad of the same address, to change their names to Edward Iskander and Ai Ping Iskander respectively, will be heard on Thursday, the 24th day of May, 1984 at 10.00 a.m., before the presiding Judge in Chambers at 50 Eagle Street, Newmarket, Ontario.

Dated April 18, 1984.

(7149) 18 EDWARD AHAD,
by his solicitor,
J. A. DALY,
6013 Yonge Street,
North York, Ontario M2M 3W2.

NOTICE

TAKE NOTICE that on the First day of June, 1984 at the hour of 10:00 in the forenoon Merle Joy Borschneck, residing at 644 Main Street West, Apt. #1008, in the City of Hamilton, in the Regional Municipality of Hamilton-Wentworth will apply to the presiding Judge in Chambers at the Court House, 15 Main Street East, Hamilton, Ontario for an order changing her name to Merle Joy Jackson.

Dated at Hamilton, this 24th day of April, 1984.

(7150) 18

IN THE MATTER OF the *Change of Name Act* being R.S.O. 1970, Chapter 60 and amendments thereto.

NOTICE IS HEREBY GIVEN that the application of change of name of Valerie Johanne Rowe residing at 1302 King Street West, Apt. 104, Toronto, Ontario, to change her name to Madeline Dunne, will be heard by the presiding Judge in Chambers at the County Court at 361 University Avenue, Toronto, on Tuesday, the 5th day of June, 1984, at 10 o'clock in the forenoon or so soon thereafter as Counsel can be heard.

Dated at Scarborough, this 24th day of April, 1984.

LAUREL ANNE FOSTER,
Barrister and Solicitor,
Ste. D,
3092 Danforth Avenue,
Scarborough, Ontario M1L 1B1.

(7151) 18

Miscellaneous Notice

NOTICE IS HEREBY GIVEN that an application will be made by Seaway Trust Company (the "Company") to the Lieutenant Governor in Council pursuant to the *Loan and Trust Corporations Act* of Ontario for an Order in Council changing the head office of the Company from the City of Port Colborne, in the Regional Municipality of Niagara, in the Province of Ontario to the City of Toronto, in the Regional Municipality of Metropolitan Toronto, in the Province of Ontario.

Dated at Toronto, this 6th day of April, 1984.

M. MIHELBERGEL,
Senior Vice-President.

(7139) 18

Sheriffs' Sales of Lands

UNDER AND BY VIRTUE OF an execution issued out of the County Court of the Judicial District of Waterloo, to me directed, against the lands and tenements of Lloyd Given, Defendant, at the suit of The T. Eaton Company Limited, Plaintiff, I have seized and taken in execution all the right, title, interest and equity of redemption of Lloyd Given, Defendant, in and to the following described property:

All and Singular that certain parcel or tract of land and premises, situate, lying and being in the Township of Eramosa, in the County of Wellington, and Province of Ontario; being composed of part of the east half of Lot Number Three (3) in the Fourth Concession in the said Township which said parcel of tract of land and premises may be more particularly described or municipally known as 453 Main Street S., Rockwood, Ontario, and is a red brick detached bungalow.

All of which said right, title, interest and equity of redemption of Lloyd Given, Defendant, in the said lands and tenements, I shall offer for sale by public auction in my office in the Wellington Court House, 74 Woolwich St., Guelph, Ontario, on Friday, the 8th day of June, A.D. 1984, at 2 o'clock in the afternoon.

Dated at Guelph, Ontario, this 17th day of April, A.D. 1984.

Terms: Cash or certified cheque.

Deposit 10% of bid price at time of sale (Minimum \$1,000.00 or 10%—whichever greater).

Ten days to arrange financing.

Delivery only on payment in full.

This sale is subject to cancellation up to time of sale without any further notice.

GORDON ARTHUR GOLDRICH,
Sheriff, County of Wellington.

(7140) 18

UNDER AND BY VIRTUE OF a Warrant of Execution issued by the Comptroller of Revenue for Minister of Revenue, to me directed, against the goods and chattels and lands and tenements of Leo Gagne, operating as: Leo Gagne's Garage at the suit of the Minister of Revenue, Retail Sales Tax Act, Plaintiff, I have seized and taken in execution all the right, title, interest and equity of redemption of Leo Gagne, Defendant being an undivided half interest in and to:

(1) Part of Lot 11, Concession 7, Plan NR19 Part 3, 4, 5, remainder of parcel 19430 registered in the Land Titles Division of the Registry Office for the District of Nipissing.

(2) Part of Lot 11, Concession 7, Plan NR19 Part 6 & 7, whole of parcel 23029 registered in the Land Titles Division of the Registry Office for the District of Nipissing.

Parcel 19430 is located in the Township of Bonfield and is said to contain 32½ acres of land plus garage.

Parcel 23029 is located in the Township of Bonfield and is said to contain 1.3 acres of vacant land.

All of which said right, title, interest and equity of redemption of Leo Gagne, being an undivided half interest, in the said lands and tenements, I shall offer for sale by public auction in my office at the Court House, 390 Plouffe Street, North Bay, on Thursday, the 24th day of May, 1984, at 9:30 a.m.

Dated at North Bay, this 16th day of April, 1984.

Terms: Cash or certified cheque.

Deposit 10% of bid price at time of sale (minimum \$500.00).

Ten days to arrange financing.

Delivery only on payment in full.

This sale is subject to cancellation up to time of sale without further notice.

NESTOR J. PRISCO,
Sheriff at North Bay (Nipissing).

(7141) 18

Publications Under The Regulations Act

May 5th, 1984

HOMEMAKERS AND NURSES SERVICES ACT

O. Reg. 238/84.

General.

Made—April 6th, 1984.

Filed—April 16th, 1984.

REGULATION TO AMEND REGULATION 499 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE HOMEMAKERS AND NURSES SERVICES ACT

1. Subclause 4 (1) (b) (iii) of Regulation 499 of Revised Regulations of Ontario, 1980 is revoked and the following substituted therefor:

(iii) subject to subsections (2) and (3), a person who by reason of financial hardship, inability to obtain regular employment, lack of the principal family provider, illness, disability or old age, has available monthly income as determined by the welfare administrator in accordance with Form 4, that is less than the monthly cost of providing under the Act the service of a homemaker or nurse to him or any of his dependants.

(4581)

18

LIQUOR LICENCE ACT

O. Reg. 239/84.

General.

Made—April 13th, 1984.

Filed—April 16th, 1984.

REGULATION TO AMEND REGULATION 581 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE LIQUOR LICENCE ACT

1. Subsections 35a (4), (5) and (15) of Regulation 581 of Revised Regulations of Ontario, 1980, as made by section 4 of Ontario Regulation 520/82, are revoked and the following substituted therefor:

(4) Where a stadium licence is issued, the sale of beer under the licence shall take place only on those days when a live professional baseball, professional football or professional soccer game is being played in the stadium.

(5) Notwithstanding subsections 9 (1) and (3a), the sale and service of beer under a stadium licence shall not commence earlier than one hour prior to the scheduled commencement of the game and shall cease,

(a) in the case of a professional baseball game, at the end of the eighth inning in a single game and at the end of the second inning of the second game of a double header;

(b) in the case of a professional football game, when the fourth quarter commences; and

(c) in the case of a professional soccer game, fifteen minutes prior to the end of the game. O. Reg. 239/84, s. 1, *part*.

(4582)

18

ENVIRONMENTAL ASSESSMENT ACT

O. Reg. 240/84.

Exemption—The Regional Municipality of Halton—HALT-RG-01.

Made—April 13th, 1984.

Approved—April 13th, 1984.

Filed—April 16th, 1984.

ORDER MADE UNDER THE ENVIRONMENTAL ASSESSMENT ACT

EXEMPTION—THE REGIONAL MUNICIPALITY OF HALTON—HALT-RG-01

Having received a request from The Regional Municipality of Halton that an undertaking, namely:

a program of continued operation, maintenance and closure of the existing Burlington Landfill Site, within the existing total site area of 68.3 hectares located in Lots 3 & 4, Concessions 1 & 2, City of Burlington, Regional Municipality of Halton for the disposal of domestic, commercial and solid non-hazardous industrial wastes, consisting of wastes from manufacturing and industrial processes and including demolition and construction wastes,

be exempt from the application of the Act pursuant to section 29; and

Having been advised by The Regional Municipality of Halton that if the undertaking is subject to the application of the Act, the following damage or interference with the persons and property indicated will occur:

- A. The Regional Municipality would be subject to delay and expense if it were required to submit the undertaking to an environmental assessment. The Regional Municipality proposes that the activity at the Burlington site continue only until alternative landfill capacity within the Regional Municipality is approved and available to receive waste. The Regional Municipality estimates that the activity at the Burlington site will not extend beyond 1987 and the delay and expense in preparing an environmental assessment for this undertaking is not warranted.

Having weighed such damage or interference against the betterment of the people of the whole or any part of Ontario by the protection, conservation and wise management in Ontario of the environment which would result from the undertaking being subject to the application of the Act;

The undersigned is of the opinion that it is in the public interest to order and orders that the undertaking is exempt from the application of the Act for the following reasons:

- A. Continued operation of the Burlington site is subject to the *Environmental Protection Act*. The Director of the Environmental Approvals and Project Engineering Branch of the Ministry of the Environment has indicated that a hearing is required pursuant to that Act. This hearing will give the City of Burlington and local ratepayers the opportunity to provide input to the Environmental Assessment Board and in turn to the Director on this program.
- B. A Certificate of Approval No. A210102 under the *Environmental Protection Act* was previously issued to the Regional Municipality for the use and operation of the Burlington Landfill Site. The Regional Municipality has advised that this Burlington site is the only approved sanitary landfill in the Regional Municipality and that the existing approved capacity will have been used up by August 1984.
- C. The Regional Municipality is in the process of conducting an environmental assessment of the long-term landfill component of its proposed waste management system. The Regional Municipality advises that this environmental assessment will be formally submitted to the undersigned in the second

half of 1984. This is essentially the very same environmental assessment that would have to be done if this exemption were not granted.

- D. The Regional Municipality further advises that it is exploring the feasibility of an energy-from-waste facility for which a further environmental assessment may be required.
- E. The Regional Municipality proposes that the activity of sanitary landfilling at the existing Burlington site under this Order be only an interim measure pending the availability of approved alternative landfill capacity within the Regional Municipality.
- F. The conditions of this Order allow the Burlington site to be operated under this Order for only a limited period of time.
- G. No useful purpose would be served by conducting an environmental assessment on the suitability of the Burlington Landfill Site for sanitary landfill purposes.

This exemption is subject to the following terms and conditions:

1. No waste shall be deposited at the Burlington Landfill Site pursuant to this Order after a date on which both sufficient alternate capacity is available to receive waste at another landfill site within the Regional Municipality approved under the Act pursuant to an environmental assessment submitted by the Regional Municipality and appropriate contours for final closure as provided for in an approval under Part V of the *Environmental Protection Act* have been achieved at the Burlington Landfill Site. O. Reg. 240/84.

ANDY BRANDT
Minister of the Environment

(4583)

18

LOCAL ROADS BOARDS ACT

O. Reg. 241/84.

Establishment of Local Roads Areas—
Northern and Eastern Region.

Made—April 9th, 1984.

Filed—April 17th, 1984.

REGULATION TO AMEND REGULATION 598 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE LOCAL ROADS BOARDS ACT

1. Schedule 3 to Regulation 598 of Revised Regulations of Ontario, 1980 is revoked and the following substituted therefor:

Schedule 3

SHAKESPEARE LOCAL ROADS AREA

All of the Township of Shakespeare in the Territorial District of Sudbury shown outlined on Ministry of Transportation and Communications Plan N-705-3 filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 26th day of March, 1984. O. Reg. 241/84, s. 1.

2. Schedule 4 to the said Regulation, as remade by section 2 of Ontario Regulation 88/81, is revoked and the following substituted therefor:

Schedule 4

CRERAR, GIBBONS AND BASTEDO LOCAL ROADS AREA

All those portions of the townships of Crerar, Gibbons and Bastedo in the Territorial District of Nipissing and those portions of the Township of Henry in the Territorial District of Sudbury shown outlined on Ministry of Transportation and Communications Plan N-270-A8 filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 26th day of March, 1984. O. Reg. 241/84, s. 2.

3. Schedule 115 to the said Regulation, as remade by section 6 of Ontario Regulation 76/83, is revoked and the following substituted therefor:

Schedule 115

YELLOW STONE ROAD LOCAL ROADS AREA

All those portions of the Township of Lyman in the Territorial District of Nipissing shown outlined on Ministry of Transportation and Communications Plan N-534-B3 filed with the Information Management Office of the Ministry of Transportation and Communications at Toronto on the 26th day of March, 1984. O. Reg. 241/84, s. 3.

JAMES SNOW
*Minister of Transportation
and Communications*

Dated at Toronto, this 9th day of April, 1984.

(4599)

18

HEALTH PROTECTION AND PROMOTION ACT, 1983

O. Reg. 242/84.

Recreational Camps.

Made—April 13th, 1984.

Filed—April 17th, 1984.

REGULATION MADE UNDER THE HEALTH PROTECTION AND PROMOTION ACT, 1983

RECREATIONAL CAMPS

1. In this Regulation,

- (a) "class A camp" means a camp for recreational activities consisting of one or more tents, cabins, vehicles, buildings or other structures together with the land appertaining thereto, established or maintained as living quarters with or without charge for ten or more persons, for temporary occupancy of five or more days, but does not include a camp established by a person for his family and his guests or to a camping establishment as defined in clause 1 (1) (d) of Regulation 936 of Revised Regulations of Ontario, 1980 made under the *Tourism Act*;
- (b) "class B camp" means a camp for recreational activities consisting of tents erected on a site together with the land appertaining thereto where sleeping, eating, cooking or other activities take place in the tents or in the open and where the tents are established or maintained as living quarters with or without charge for ten or more persons, for temporary occupancy of five or more days;
- (c) "day" means a continuous period of twenty-four hours;
- (d) "hazardous food" means any food capable of supporting the growth of pathogenic organisms or the production of the toxins of such organisms;
- (e) "operator" means every person who by himself or his agents owns or operates a recreational camp;
- (f) "single-service article" means any container or eating utensil that is to be used only once in the service or sale of food;
- (g) "toilet" includes a privy;
- (h) "utensil" means any article or equipment used in the manufacture, processing, preparation, storage, handling, display or distribution of food, except a single-service article;
- (i) "washbasin" includes a pail or similar portable container of sound construction.

O. Reg. 242/84, s. 1.

2. The following are classes of recreational camps:

1. Class A camps.

2. Class B camps. O. Reg. 242/84, s. 2.

NOTICE OF CAMP OPENING

3.—(1) Every person who intends to operate a recreational camp for the first time shall give written notice of his intention to do so to the medical officer of health at least sixty days before the camp is to be opened.

(2) Where an operator intends to open a recreational camp that has been closed for a period exceeding thirty days, the operator shall notify the medical officer of health of the proposed opening at least fourteen days prior to the re-opening of the camp. O. Reg. 242/84, s. 3.

CAMP LOCATION AND MAINTENANCE

4. Every operator shall ensure that each camp operated by him is so located and maintained as to be free from any condition that may endanger the health or safety of the campers or employees of the camp. O. Reg. 242/84, s. 4.

5. Every operator shall ensure that every person living in a camp or employed in a camp operated by him is free of any communicable disease or any infectious agent thereof. O. Reg. 242/84, s. 5.

CAMP STAFF

6. Every operator shall ensure that the campers in each camp operated by him are under the continuous supervision of an adult who has experience in administration and leadership in a recreational camp. O. Reg. 242/84, s. 6.

7.—(1) Every operator shall ensure that one of the following persons are present in each camp operated by him:

1. A physician.
2. A registered nurse.
3. A person who is a holder of,
 - i. a Canadian Red Cross Society's Standard First Aid Certificate,
 - ii. a St. John Ambulance Association's Standard First Aid Certificate, or
 - iii. a certificate that the medical officer of health considers equivalent to a certificate referred to in subparagraph i or ii.

(2) Where a physician is not in residence in a recreational camp, the operator shall ensure that the services of a physician can be obtained quickly in the case of a medical emergency.

(3) Every operator shall ensure that no animal that is susceptible to rabies is brought into a camp operated by him unless the animal has been immunized against

rabies at least thirty days and not more than fifteen months prior to the bringing of the animal into the camp. O. Reg. 242/84, s. 7.

CAMP ACCOMMODATION

8.—(1) Every operator of a class A camp shall ensure that in each class A camp operated by him the floor area in the sleeping quarters is at least 3.72 square metres per camper or where single, double or triple tier bunk units are used, 2.79 square metres per camper.

(2) Every operator shall ensure that where a tent is used for accommodation in a camp operated by him the number of occupants in the tent shall not exceed the manufacturers' recommended limits. O. Reg. 242/84, s. 8.

VENTILATION

9.—(1) Every operator of a class A camp shall ensure that each sleeping area, dining room or any other building used by campers or employees in a class A camp operated by him is provided with,

- (a) natural ventilation adequate to ensure the elimination of all offensive odours; or
- (b) mechanical ventilation capable of providing at least one air change per hour.

(2) Every operator of a class A camp shall ensure that at least ten air changes per hour is provided in the food preparation area of each class A camp operated by him. O. Reg. 242/84, s. 9.

LIGHTING

10. Every operator of a class A camp shall ensure that each class A camp operated by him is provided with,

- (a) a minimum intensity of illumination of 100 lux in all hallways, corridors, stairways and sleeping areas;
- (b) a minimum intensity of illumination of 500 lux in the kitchen; and
- (c) a minimum intensity of illumination of 250 lux in all rooms other than those referred to in clauses (a) and (b). O. Reg. 242/84, s. 10.

FIRE PROTECTION

11.—(1) Every operator of a class A camp shall ensure that each permanent building used for sleeping in each class A camp operated by him that has a floor area of at least 55.8 square metres and that has a sleeping room that has no exit to the outside is provided with smoke alarms.

(2) Every operator of a class A camp shall ensure that each permanent building in a class A camp oper-

ated by him is equipped with a fire extinguisher in good working order.

(3) Every operator shall ensure that there are written procedures that shall be used in the event of a fire in each camp operated by him and that all campers and employees of the camp are trained in the procedures. O. Reg. 242/84, s. 11.

WATER SUPPLY

12.—(1) Every operator shall ensure that the water supply of each camp operated by him is,

- (a) obtained from a source or sources approved by the medical officer of health;
- (b) sufficient to meet the requirements of the campers and employees of the camp; and
- (c) potable.

(2) Where the medical officer of health is of the opinion that the water supply of a recreational camp requires treatment, he may require the operator to treat the water in order to render it safe and sanitary.

(3) Where an operator is required by the medical officer of health to treat water in order to render it safe and sanitary, the operator shall so treat the water and shall ensure that a record of the kind and method of treatment of the water supply is kept on the premises of the recreational camp for one year from the making of the record. O. Reg. 242/84, s. 12.

GENERAL

13. Every operator shall ensure that each tent and building in each camp operated by him is maintained in a sanitary condition at all times and that the grounds of the camp are free of litter and refuse. O. Reg. 242/84, s. 13.

SANITARY FACILITIES

14.—(1) Every operator shall ensure that each camp operated by him is provided with sanitary facilities in accordance with this section and sections 15 and 16.

(2) At least one separate sanitary facility for each sex shall be provided for the use of campers and staff in a recreational camp.

(3) A minimum of one toilet shall be provided for every ten campers of each sex in a recreational camp.

(4) One washbasin shall be provided for every five campers of each sex in a recreational camp.

(5) Where water-flush toilets are provided in a recreational camp, urinals may be counted as toilets for male use but the number of urinals shall not exceed 50 per cent of the number of toilets. O. Reg. 242/84, s. 14.

15.—(1) Every sanitary facility in a recreational camp shall,

- (a) be equipped with windows and self-closing, tight-fitting doors;
- (b) have all doors and windows screened against insects, rodents and vermin;
- (c) be ventilated so as to eliminate offensive odours; and
- (d) be kept sanitary and in good repair at all times.

(2) When a recreational camp is in operation, all toilet seats shall be thoroughly scrubbed daily with a sanitizing solution. O. Reg. 242/84, s. 15.

16. Every sanitary facility in a recreational camp shall be equipped with,

- (a) a supply of toilet paper;
- (b) a cleanable receptacle of sound construction for used towels and other refuse;
- (c) a supply of soap or detergent in a dispenser;
- (d) a supply of clean single-service towels or a hot air dryer;
- (e) where there are water-flush toilets, a supply of hot and cold water or a supply of cold water that contains a disinfectant; and
- (f) where there are privies, commercially packaged single-use moist hand towelettes or a supply of cold water that contains a disinfectant. O. Reg. 242/84, s. 16.

LAUNDRY OPERATIONS

17. Every operator shall ensure that the laundry operations in each camp operated by him are not carried on in a river, lake, stream or brook adjacent to or within the camp. O. Reg. 242/84, s. 17.

FOOD PREPARATION AND STORAGE

18.—(1) Every operator shall ensure that food in each camp operated by him is protected from contamination and adulteration and that foods not requiring refrigeration are kept in closed containers and stored in areas designated by the operator as areas for food storage only.

(2) Every operator shall ensure that each camp operated by him is provided with refrigerated space adequate for the safe storage of perishable and hazardous food.

(3) Every operator shall ensure that racks, shelves or pallets are provided for the storage of food in each camp operated by him and that no rack or shelf is placed less than fifteen centimetres above the floor.

(4) Every operator shall ensure that the food in each camp operated by him is stored on the racks, shelves or pallets referred to in subsection (3).

(5) Every operator shall ensure that in each camp operated by him hazardous food other than hermetically sealed food that has been subjected to a process sufficient to prevent the production of bacterial toxins or the survival of spore-forming pathogenic bacteria is stored, distributed, maintained, transported or displayed such that the internal temperature of the food is,

(a) 5° Celsius, or lower; or

(b) 60° Celsius, or higher,

except for such periods of time as may be necessary for the preparation, processing and manufacturing of the food.

(6) Every operator shall ensure that in each camp operated by him frozen food is stored and maintained at a temperature of minus 18° Celsius or lower.

(7) Every operator shall ensure that the food preparation and storage areas in each camp operated by him are so constructed, located and maintained as to provide protection against the entrance of insects, rodents, vermin, dust and fumes.

(8) Every operator shall ensure that in each camp operated by him temperature controlled rooms and compartments used for the storage of hazardous food are provided with accurate indicating thermometers that can be easily read. O. Reg. 242/84, s. 18.

19.—(1) Every operator shall ensure that each person who handles or comes into contact with food or with any utensils used in the preparation, processing, service or storage of food in a camp operated by him,

(a) does not smoke while so engaged;

(b) is clean;

(c) wears headgear that confines the hair; and

(d) washes his hands before starting work and after every use of a toilet or urinal.

(2) Every operator of a class A camp shall ensure that every person who handles or comes into contact with food or with any utensils used in the preparation, processing, service or storage of food in a class A camp operated by him,

(a) wears clean outer garments;

(b) is free from any infectious agent of a disease that may be spread through the medium of food; and

(c) submits to such medical examinations and tests as are required by the medical officer of

health to confirm the absence of an infectious agent mentioned in clause (c).

(3) Every operator of a class A camp shall ensure that no person who has a skin disease performs any work that brings him into contact with food in a class A camp operated by the operator, unless the person has obtained the approval of the medical officer of health in writing before handling food.

(4) Every operator shall ensure that in each camp operated by him, tongs, spoons and scoops of corrosion-resistant and non-toxic material are used wherever possible where food is being prepared or served to avoid direct hand contact with food.

(5) Every operator shall ensure that in each camp operated by him a basin only for hand washing is located in each food preparation area together with supplies of hot and cold water, soap or detergent in a dispenser and,

(a) clean single-service towels;

(b) a hot air dryer; or

(c) a continuous roller towel in a mechanical device and a supply of paper towels.

(6) Every operator shall ensure that each food preparation area in each camp operated by him is provided with a supply of hot and cold potable water.

(7) Every operator shall ensure that cloths and towels used for washing, drying or polishing utensils or cleaning tables in each camp operated by him are,

(a) in good repair;

(b) clean; and

(c) used for no other purpose.

(8) Every operator shall ensure that toxic and poisonous substances required for maintenance of sanitary conditions in each camp operated by him are,

(a) kept in a compartment separate from food so as to preclude contamination of any food, working surface or utensil;

(b) kept in a container that bears a label on which the contents of the container are clearly identified; and

(c) used only in such manner and under such conditions that the substances do not contaminate food or cause a health hazard. O. Reg. 242/84, s. 19.

20.—(1) Every operator shall ensure that each article or piece of equipment that is used for preparation, service display, storage or transportation of food in a camp operated by him is,

- (a) of sound and tight construction;
- (b) kept in good repair; and
- (c) of such form and material that it can be readily cleaned and sanitized.

(2) Every operator shall ensure that in each camp operated by him equipment and utensils with which food comes in direct contact are,

- (a) corrosion-resistant and non-toxic; and
- (b) free from cracks, crevices and open seams.

(3) Notwithstanding subsection (2), cutting boards, blocks, tables, bowls, platters and churns of hardwood or other materials may be used in a camp where,

- (a) such equipment is maintained in a clean and sanitary condition; and
- (b) the manner and conditions of their use are not a health hazard. O. Reg. 242/84, s. 20.

CLEANING AND SANITIZING OF UTENSILS

21. Every operator shall ensure that utensils that are used in each camp operated by him are cleaned and sanitized in accordance with sections 23, 24, 25 and 26. O. Reg. 242/84, s. 21.

22.—(1) Every operator shall ensure that equipment and facilities for the cleaning and sanitizing of utensils in each camp operated by him is used for no other purpose and consists of,

- (a) mechanical equipment; or
- (b) equipment for washing by hand consisting of,
 - (i) a three-compartment sink or three sinks, of corrosion-resistant material of sufficient size to ensure thorough cleaning and sanitizing of utensils, or
 - (ii) a two-compartment sink or two sinks, of corrosion-resistant material for the cleaning and sanitizing of utensils where washing and rinsing can be done effectively in the first sink and the second sink is used for sanitizing as described in subsection 25 (1), and
 - (iii) drainage racks of corrosion-resistant material.

(2) Where the sinks referred to in subclause (1) (b) (i) or (ii) are not sufficient to effectively clean and sanitize the utensils, such additional sinks as will effectively clean and sanitize the utensils are required.

(3) Subclause (1) (b) (ii) does not apply to the cleaning and sanitizing of multi-service articles or utensils

that directly contact ready to eat foods. O. Reg. 242/84, s. 22.

23. Utensils shall be,

- (a) scraped or rinsed;
- (b) cleaned;
- (c) rinsed; and
- (d) sanitized. O. Reg. 242/84, s. 23.

24. Where equipment for washing by hand is used in a recreational camp, utensils shall be,

- (a) cleaned in a sink in a detergent solution capable of removing soil;
- (b) rinsed in a second sink in clean water at a temperature not lower than 43° Celsius; and
- (c) sanitized in a third sink. O. Reg. 242/84, s. 24.

25.—(1) Utensils shall be sanitized by,

- (a) immersion in clean water at a temperature of at least 77° Celsius or more, for at least forty-five seconds;
- (b) immersion in a clean chlorine solution of not less than 100 parts per million of available chlorine at a temperature not lower than 24° Celsius for at least forty-five seconds;
- (c) immersion in a clean quaternary ammonium compound solution of not less than 200 parts per million at a temperature not lower than 24° Celsius for at least forty-five seconds;
- (d) immersion in a clean solution containing not less than twenty-five parts per million of available iodine at a temperature not lower than 24° Celsius for at least forty-five seconds; or
- (e) immersion in any solution containing a sanitizing agent that is non-toxic and that provides a bactericidal result not less than the result provided by clause (a), (b) or (c) and for which a convenient test reagent is available.

(2) A test reagent for determining the concentration of sanitizer and an accurate thermometer to determine the temperature of the sanitizing solution shall be readily available where the sanitizing takes place in a recreational camp. O. Reg. 242/84, s. 25.

26. Notwithstanding sections 24 and 25, utensils, other than utensils that come into direct contact with a milk product or ready to eat food, may be cleaned and sanitized in one operation provided that,

- (a) the chemical product used is designed for that purpose;
- (b) the product container bears directions for use indicating optimum temperature and exposure times;
- (c) the product is used in accordance with the directions for use;
- (d) a test reagent is readily available on the premises to determine the concentration of the sanitizing agent; and
- (e) the utensils so treated are completely rinsed with clean water. O. Reg. 242/84, s. 26.

27.—(1) Every operator shall ensure that mechanical equipment for the cleaning and sanitizing of utensils in each camp operated by him is,

- (a) so constructed, designed and maintained that,
 - (i) the wash water is sufficiently clean at all times to clean the dishes and is maintained at a temperature not lower than 60° Celsius or higher than 71° Celsius, and
 - (ii) the sanitizing rinse is,
 - (A) water that is maintained at a temperature not lower than 82° Celsius and is applied for a minimum of ten seconds in each sanitizing cycle, or
 - (B) a chemical solution described in clause 25 (1) (b), (c), (d) or (e); and
- (b) provided with thermometers that show wash and rinse temperatures and that are so located as to be easily read.

(2) An operator may use another machine or device other than the mechanical equipment referred to in subsection (1) where the machine or device will, in the opinion of the medical officer of health, effectively clean and sanitize the utensils and will result in a bacterial count on the utensils within the limits set out in section 29. O. Reg. 242/84, s. 27.

28. Where food processing equipment in a recreational camp is cleaned and sanitized in-place without disassembling the equipment, the operator shall ensure that instructions respecting,

- (a) the chemicals used for cleaning and sanitizing;
- (b) the strength of the chemical solutions used;
- (c) the length of time the equipment was exposed to the chemicals; and

- (d) the procedures used for cleaning and sanitizing the equipment,

are posted in a place accessible to the person carrying out the cleaning and sanitizing. O. Reg. 242/84, s. 28.

29. Every operator shall ensure that in each camp operated by him the standard plate count from a multi-service article does not exceed 100 bacterial colonies after cleaning and sanitizing and prior to re-use when tested by an official method in accordance with the standard plate test, utilizing the swab technique. O. Reg. 242/84, s. 29.

30. Every operator shall ensure that in each camp operated by him utensils that have been cleaned and sanitized are transported and stored in such a manner as to prevent contamination. O. Reg. 242/84, s. 30.

31. Every operator shall ensure that in each camp operated by him, where a utensil is so large as to preclude washing and sanitizing by means of sinks or other machines, it is washed or scrubbed with a detergent solution, rinsed with clean water and,

- (a) sprayed or rinsed with hot water or steam in a manner that creates a temperature of not less than 82° Celsius on the treated surface; or
- (b) sprayed or rinsed with a chemical solution of a type described in subsection 25 (1) at double the strength that is set out in the product directions. O. Reg. 242/84, s. 31.

DISPOSAL OF REFUSE

32. Every operator shall ensure that garbage and refuse in each camp operated by him is,

- (a) deposited in leakproof durable containers equipped with tight-fitting or self-closing tops;
- (b) removed after each meal from any room in which food is prepared, served or stored; and
- (c) collected daily and stored in a sanitary manner until final disposal.

WATER SAFETY

33. Where a recreational camp has a waterfront area that is used for aquatic activities the operator shall ensure that the waterfront area is operated in accordance with sections 34, 35 and 36. O. Reg. 242/84, s. 33.

34.—(1) Every waterfront area in a recreational camp that is used for aquatic activities shall be under the supervision of a waterfront director who is at least eighteen years of age and who holds one of the following qualifications that has been obtained within two years of acting as a waterfront director:

1. The National Lifeguard Service's registered lifeguard certificate.

2. The Royal Life Saving Society's Canada Bronze Medallion and aquatic instructor's certificate.

3. Any of the following certificates together with two years aquatic supervision experience:

i. The Royal Life Saving Society's Canada Bronze Medallion or higher award,

ii. The Canadian Red Cross Society Water Safety Leader or Water Safety Instructor's certificate,

iii. The Young Men's Christian Association's Basic or Senior Lifesaving certificate, or

iv. A certificate that the medical officer of health considers to be equivalent to a certificate referred to in subparagraph ii or iii.

(2) The waterfront director shall ensure that, where the waterfront area in a recreational camp is in use, supervision is provided in accordance with the following Table:

TABLE

Number of Supervisors	Number of Campers in the water
2	1 to 25
3	26 to 100
For each additional twenty-five campers in the water or less where there are more than 100 campers, provide one additional supervisor.	

(3) Notwithstanding the supervision required under subsection (2), the waterfront director shall ensure that, where non-swimmers, mentally or physically handicapped persons or campers under five years of age are using the waterfront area in the camp, additional supervision is provided that, in the opinion of the waterfront director, is adequate having regard to the type and number of children using the waterfront area.

(4) Every supervisor in a recreational camp shall be at least sixteen years of age and hold the Royal Life Saving Society's Bronze Medallion or qualifications that, in the opinion of the medical officer of health, are equivalent to the Bronze Medallion. O. Reg. 242/84, s. 34.

35. Every waterfront director of a recreational camp shall ensure that the following equipment is easily accessible at the waterfront area of the camp in case of an emergency:

1. One or more buoyant rescue aids attached to a shoulder loop with a six millimetre line at least 1.60 metres in length.

2. One or more reaching poles of three metres or greater in length.

3. One or more buoyant throwing aids attached to a six millimetre line at least eight metres in length.

4. A spine board.

5. A paddleboard or boat, when any part of the swimming area is more than fifty metres from the shore.

6. First aid supplies in sufficient quantities to meet the needs of the campers that shall include,

i. scissors,

ii. triangular bandages,

iii. water resistant, sterile bandages,

iv. sterile gauze pads (fifty millimetres by fifty millimetres and 100 millimetres by 100 millimetres),

v. rolls and gauze conform bandages,

vi. waterproof adhesive tape,

vii. blankets and pillows,

viii. safety pins,

ix. tweezers,

x. ice packs,

xi. antiseptic solution,

xii. incident report forms. O. Reg. 242/84, s. 35.

36. The waterfront director of a recreational camp shall ensure that there are written instructions for emergency and operational procedures that shall be used in the event of an accident or emergency in the waterfront area and that all supervisors are trained in the procedures. O. Reg. 242/84, s. 36.

37. A reference in this Regulation to the medical officer of health means the medical officer of health of the board of health in the health unit in which the recreational camp referred to is situate. O. Reg. 242/84, s. 37.

38. Regulation 851 of Revised Regulations of Ontario, 1980 is revoked.

39. This Regulation comes into force on the day that section 95 of the *Health Protection and Promotion Act, 1983* is proclaimed in force.

(4600)

18

HEALTH PROTECTION AND PROMOTION ACT, 1983

O. Reg. 243/84.

Food Premises.

Made—April 13th, 1984.

Filed—April 17th, 1984.

REGULATION MADE UNDER THE HEALTH PROTECTION AND PROMOTION ACT, 1983

FOOD PREMISES

INTERPRETATION

1. In this Regulation,

- (a) "catering vehicle" means an itinerant food service premise in which no food is prepared other than hot beverages and french fried potatoes;
- (b) "corrosion-resistant material" means any material that maintains its original surface characteristics after,
 - (i) repeated exposure to food, soil, moisture or heat, or
 - (ii) exposure to any substance used in cleansing and sanitizing;
- (c) "egg grading station" means an egg grading station registered under the *Canada Agricultural Products Standards Act*;
- (d) "egg processing station" means an egg product processing station registered under the *Canada Agricultural Products Standards Act*;
- (e) "eggs" means raw eggs in the shell;
- (f) "employee" means any person who,
 - (i) is employed in a food premise, and
 - (ii) handles or comes in contact with any utensil or with food during its preparation, processing, packaging, service, storage or transportation;

- (g) "food contact surface" means any surface that food comes in contact with in a food premise;
- (h) "food service premise" means any food premise where meals or meal portions are prepared for immediate consumption or sold or served in a form that will permit immediate consumption on the premises or elsewhere;
- (i) "Grade 'C' eggs" means eggs that are graded "Canada C" as defined in the regulation under the *Canada Agricultural Products Standards Act*;
- (j) "hazardous food" means any food that is capable of supporting the growth of pathogenic organisms or the production of the toxins of such organisms;
- (k) "locker plant" means any food premise in which individual lockers are rented or offered for rent to the public for the storage of frozen foods;
- (l) "manufactured meat product" means food that is the product of a process and that contains meat as an ingredient and includes meat that is processed by salting, pickling, fermenting, canning, drying or smoking or otherwise applying heat or to which edible fats, cereals, seasonings or sugar have been added;
- (m) "mobile preparation premises" means a vehicle or other itinerant food premise from which food prepared therein is offered for sale to the public;
- (n) "multi-service article" means any container or eating utensil that is intended for repeated use in the service or sale of food;
- (o) "official method" means a method used by a laboratory established under section 78 of the Act for the laboratory examination of food;
- (p) "pre-packaged foods" means food that is packaged at a premise other than the premises at which it is offered for sale;
- (q) "sanitizing" means antimicrobial treatment, and "sanitize" has a corresponding meaning;
- (r) "selling" includes automatic vending;
- (s) "serving" includes self-service;
- (t) "single-service article" means any container or eating utensil that is to be used only once in the service or sale of food;
- (u) "single-service towel" means a towel that is to be used only once before being discarded or laundered for reuse;

- (v) "utensil" means any article or equipment used in the manufacture, processing, preparation, storage, handling, display, distribution, sale or offer for sale of food except a single-service article;
- (w) "vending machine" means any self-service device that upon insertion of a coin, coins or tokens, automatically dispenses unit servings of food either in bulk or in package form. O. Reg. 243/84, s. 1.

ESTABLISHMENT

EXEMPTIONS

2.—(1) This Regulation applies to all food premises except,

- (a) boarding houses that provide meals for fewer than ten boarders;
- (b) a food premise to which Ontario Regulation 193/84 or 242/84 applies; and
- (c) churches, service clubs and fraternal organizations that,
 - (i) prepare and serve meals for special events for their members and personally invited guests, and
 - (ii) conduct bake sales.

(2) No person shall construct, operate or maintain a food premise to which this Regulation applies except in accordance with this Regulation. O. Reg. 243/84, s. 2.

3.—(1) The following retail food premises are exempt from the provisions of clauses 20 (1) (b) and (c) and sections 68 to 81 where they meet the requirements of subsection (2):

1. Premises where only cold drinks are sold in or from the original container.
2. Premises where only frozen confections are sold in the original package or wrapper.
3. Premises where only hot beverages are prepared and sold.
4. Farms selling only their own farm products in the form of honey, maple syrup, or unprocessed fruits, vegetables and grains.
5. Premises preparing and selling only popped corn, roasted nuts or french fried potatoes.
6. Premises selling only pre-packaged food that is not a hazardous food.
7. Catering trucks.

- (2) A food premise referred to in subsection (1) shall,
 - (a) use only single-service articles;
 - (b) provide a supply of single-use commercially packaged moist hand towelettes for the personal hygiene of its employees; and
 - (c) where it has an eating or drinking area, have an eating or drinking area that does not exceed fifty-six square metres. O. Reg. 243/84, s. 3.

CATERING VEHICLES

4.—(1) All food offered for sale from a catering vehicle shall be pre-packaged except for hot beverages and french fried potatoes.

(2) Every catering vehicle shall be equipped with mechanically refrigerated storage and display facilities that shall be used for holding hazardous foods.

(3) Subsection (2) does not apply to vehicles from which only frozen confections in the original package or wrapper are sold. O. Reg. 243/84, s. 4.

MOBILE PREPARATION PREMISES

5.—(1) Mobile preparation premises are exempt from the provisions of sections 68 and 69, but where a mobile preparation premises provides sanitary facilities for its employees the sanitary facilities shall be in compliance with sections 68 and 69.

(2) In every mobile preparation premises,

- (a) food shall be prepared within the premises and served to the public by persons working within the premises;
- (b) only single-service articles shall be used;
- (c) service doors and windows to the preparation area shall be screened and, when the premise is in motion, tightly closed with a solid material to prevent the entrance of dust and fumes into the food preparation area;
- (d) the driver's compartment shall be completely partitioned from the food preparation area and, where the partition has an access door, the door shall be solid and self-closing;
- (e) separate holding tanks shall be provided for toilet and sink wastes; and
- (f) every waste tank and water supply tank shall be equipped with an easily readable gauge for determining the waste or water level in the tank.

(3) Mobile preparation premises where food preparation is limited to the reheating of pre-cooked meat products in the form of wieners or similar sausage

products to be served on a bun are exempt from the provisions of clause (2) (a) with respect to the preparation and serving of food to the public by persons positioned within the premises. O. Reg. 243/84, s. 5.

VENDING MACHINES

6. Every vending machine shall be so constructed that,

- (a) it is sealed to the floor or is mounted on legs not less than 15 centimetres in height or on casters or rollers that permit ease of movement for cleaning purposes;
- (b) service connections through the exterior of the machine are sealed and are such as to prevent or discourage unauthorized disconnection;
- (c) door and panel access openings to product and container storage spaces are tight-fitting to prevent the entrance of any contaminating substance or thing;
- (d) ventilation louvers and openings are screened against insects by means of screening material of not less than 16 mesh to each 2.54 square centimetres;
- (e) any condenser unit forming part of the machine is sealed from product and container storage spaces;
- (f) openings by which food is delivered are protected by means of self-closing and tight-fitting doors or covers;
- (g) food storage compartments in which spillage may occur are self-draining;
- (h) openings into all containers used for the storage of food are provided with covers suitable to prevent contamination from reaching the interior of the container; and
- (i) containers and fittings may be disassembled to permit cleaning and sanitizing or so arranged that cleaning and sanitizing solutions can be circulated throughout the fixed system. O. Reg. 243/84, s. 6.

7. Every vending machine shall be provided with,

- (a) a potable water supply piped into the machine under pressure where water is an automatically admixed ingredient;
- (b) a device that will protect against the entrance of carbon dioxide or carbonated liquid into the water supply system;
- (c) automatic controls that will prevent the vending of hazardous foods where,

- (i) the temperature of a refrigerated compartment exceeds 7° Celsius, or
- (ii) the temperature of a heated compartment falls below 60° Celsius; and

- (d) an automatic shut-off control that will prevent the overflow of liquid waste where such wastes are collected inside the vending machine. O. Reg. 243/84, s. 7.

8. The components of a vending machine that come into contact with food shall be cleaned and sanitized in the manner prescribed for utensils under section 71, 72, 73, 74, 75 or 76, as the case may be, and for this purpose mobile or remote cleaning and sanitizing facilities may be used. O. Reg. 243/84, s. 8.

9. The name and telephone number of the operator of the vending machine shall be prominently displayed at vending sites where an employee is not in full-time attendance. O. Reg. 243/84, s. 9.

LOCKER PLANTS

10.—(1) Every locker plant shall be equipped with,

- (a) a facility for the freezing of food prior to storage; and
- (b) a locker room for the storage of frozen foods.

(2) The following temperatures shall be maintained in each of the following rooms or compartments:

- 1. Room or compartment used only for freezing, minus 18° Celsius or lower with a tolerance up to minus 12° Celsius during the initial stage of freezing food.
- 2. Locker room, not above minus 18° Celsius with a tolerance up to minus 15° Celsius during periods of public access.

(3) The temperatures prescribed in subsection (2) shall not prohibit such variations as are necessary during the time required for defrosting operations.

(4) Every locker room in a locker plant shall be provided with an accurate self-recording thermometer and temperature records shall,

- (a) not be used for a period that will exceed one complete rotation of the graph; and
- (b) be properly dated and signed by the operator and preserved at the plant for a period of at least one year.

(5) The locker room or freezing facility of a locker plant shall be used only for the processing or storage of food.

(6) Every locker plant operator shall keep an accurate record of the name and address of each person

renting a locker in a locker plant operated by the operator.

(7) Every locker room in a locker plant shall be equipped with a conveniently located properly functioning noise alarm for operation by patrons from within the locker room.

(8) The access door of every locker room shall be fitted with a properly functioning safety lock release so that it can be operated from inside the locker room.

(9) The records referred to in subsections (4) and (6) shall be made available upon request to the medical officer of health or a public health inspector. O. Reg. 243/84, s. 10.

GENERAL

CONSTRUCTION

11. Every food premise shall be so constructed, located and maintained that,

(a) the premises are free from every condition that may,

(i) be a health hazard,

(ii) adversely affect the sanitary operation of the premises, or

(iii) adversely affect the wholesomeness of food therein;

(b) no room where food is manufactured, handled, displayed, distributed, sold or offered for sale, prepared, processed, served, transported or stored is used for sleeping purposes and no sleeping quarters open directly into such room;

(c) a separate room, compartment, locker or cupboard is provided for keeping wearing apparel of employees;

(d) the floor or floor coverings are tight, smooth and non-absorbent in rooms where,

(i) food is manufactured, handled, displayed, distributed, sold or offered for sale, prepared, processed, served, transported or stored,

(ii) utensils are washed, or

(iii) washing fixtures and toilet fixtures are located;

(e) the walls and ceilings of rooms and passageways may be readily cleaned and may be maintained in a sanitary condition;

(f) no room containing a toilet opens directly into any room used for the manufacture,

handling, preparation, processing, displaying, distribution, selling or offering for sale or serving of food; and

(g) protection against the entrance of insects, rodents, vermin, dust and fumes is provided. O. Reg. 243/84, s. 11.

12. Notwithstanding clause 11 (d), carpeting may be used in areas where food is served where the carpeting is maintained in a clean and sanitary condition. O. Reg. 243/84, s. 12.

LIGHTING

13. Every food premise shall be provided with,

(a) a minimum of 538 lux of illumination on every working surface where food is processed, prepared or manufactured and in every area where equipment or utensils are cleaned; and

(b) a minimum of 322 lux of illumination in every storage room, dressing room, sanitary facility, service area and corridor. O. Reg. 243/84, s. 13.

14. Notwithstanding clause 13 (b), levels of less than 322 lux may be used in the service area of a food service premise, provided 322 lux of illumination are provided during cleaning operations. O. Reg. 243/84, s. 14.

VENTILATION

15. Every food premise shall be equipped with mechanical ventilation that is vented to the outside,

(a) over cooking and dishwashing equipment that produces heat, steam, condensation, odour, smoke or fumes; and

(b) in each sanitary facility. O. Reg. 243/84, s. 15.

16. The mechanical ventilation for a sanitary facility shall be capable of providing a minimum of ten changes of air per hour. O. Reg. 243/84, s. 16.

17. Every system of mechanical ventilation shall be,

(a) equipped with exhaust fans, ducts, canopies, hoods and filters and access doors where necessary for effective, sanitary operation; and

(b) constructed of corrosion-resistant and readily cleanable material. O. Reg. 243/84, s. 17.

EQUIPMENT

18. Any article or piece of equipment that is used for the manufacture, distributing, sale or offering for

sale, preparation, processing, handling, transportation, storage or display of food shall be,

- (a) of sound and tight construction;
- (b) kept in good repair; and
- (c) of such form and material that it can be readily cleaned and sanitized. O. Reg. 243/84, s. 18.

19.—(1) Equipment and utensils with which food comes in direct contact shall be,

- (a) corrosion-resistant and non-toxic; and
- (b) free from cracks, crevices and open seams.

(2) Notwithstanding subsection (1), cutting boards, blocks, tables, bowls, platters and churns of hardwood or other materials may be used where,

- (a) such equipment is maintained in a clean and sanitary condition; and
- (b) the manner and conditions of their use are not a health hazard. O. Reg. 243/84, s. 19.

20.—(1) Every food premise shall be provided with,

- (a) a supply of potable water adequate for the operation of the premises;
- (b) hot and cold running water under pressure in areas where food is processed, prepared or manufactured or utensils are washed;
- (c) a separate handwashing basin in a location convenient for employees in each processing, preparation and manufacturing area, together with supplies of hot and cold water, soap or detergent in a dispenser, and,
 - (i) clean single-service towels, or
 - (ii) a continuous cloth roller towel in a mechanical device and a supply of paper towels;
- (d) refrigerated space adequate for the safe storage of perishable and hazardous food; and
- (e) containers of durable, leakproof and non-absorbent material with tight-fitting or self-closing lids sufficient for storing all garbage and waste in a sanitary manner.

(2) The basin referred to in clause (1) (c) shall be used only for the handwashing of employees. O. Reg. 243/84, s. 20.

21. Temperature controlled rooms and compartments used for the storage of hazardous foods shall be provided with accurate indicating thermometers that may be easily read. O. Reg. 243/84, s. 21.

22. Racks, shelves or pallets shall be provided for the storage of food and no rack or shelf shall be placed less than fifteen centimetres above the floor. O. Reg. 243/84, s. 22.

23. All food shall be stored on the racks, shelves or pallets referred to in section 22. O. Reg. 243/84, s. 23.

24. Tongs, spoons and scoops of corrosion-resistant and non-toxic material shall be used, wherever possible, to avoid direct hand contact with food. O. Reg. 243/84, s. 24.

25. Drinking fountains shall be of sanitary design and construction and shall not be located within a sanitary facility nor drain into a hand basin or equipment sink. O. Reg. 243/84, s. 25.

FOOD HANDLING

26. All food shall be protected from contamination and adulteration. O. Reg. 243/84, s. 26.

27. All hazardous food displayed for sale or service shall be protected against contamination by means of enclosed containers, cabinets, shields or shelves. O. Reg. 243/84, s. 27.

28. Food transported by an operator shall be enclosed in containers or in such other manner as to prevent contamination of the food and to maintain the food at the temperature prescribed in section 32, 33, 34 or 35, as the case may be. O. Reg. 243/84, s. 28.

29. Food containers that are multi-service articles shall,

- (a) be constructed of such materials and in such a manner as to be readily cleaned and sanitized; and
- (b) not be used for any purpose other than the packaging of food. O. Reg. 243/84, s. 29.

30.—(1) Milk served as a beverage shall be offered for sale or served in or from the original container as filled by the processor.

(2) Subject to subsection (3), milk, cream and edible oil substitutes that are to be used with beverages and cereals shall be added to the beverages and cereals from the original container as filled by the processor.

(3) A container other than the original may be used when milk, cream or an edible oil substitute accompanies a beverage or cereal in the service of a seated patron, provided that,

- (a) the container is filled from the original container immediately prior to serving;
- (b) portions remaining at the end of each service are discarded; and

- (c) the container is cleaned and sanitized in accordance with section 73, 74, 75, 76 or 77, as the case may be, after each service.
O. Reg. 243/84, s. 30.

31.—(1) Ice used in the preparation and processing of food or drink shall be made from potable water and shall be stored and handled in a sanitary manner.

(2) Steam that contacts food during processing or preparation shall be from a potable supply and free of toxic substances. O. Reg. 243/84, s. 31.

32. Hazardous foods in hermetically sealed containers that have not been subjected to a process sufficient to prevent the production of bacterial toxins or the survival of spore-forming pathogenic bacteria shall,

- (a) have "Keep Refrigerated" prominently marked on the container; and
(b) be maintained, transported, displayed, stored or offered for sale at an internal temperature not higher than 5° Celsius. O. Reg. 243/84, s. 32.

33. Hazardous foods other than those hermetically sealed foods that have been subjected to a process sufficient to prevent the production of bacterial toxins or the survival of spore-forming pathogenic bacteria shall be distributed, maintained, stored, transported, displayed or sold or offered for sale such that the internal temperature of the food is,

- (a) 5° Celsius, or lower; or
(b) 60° Celsius, or higher,

except for such periods of time as may be necessary for the preparation, processing and manufacturing of the food. O. Reg. 243/84, s. 33.

34. Notwithstanding clause 33 (a), eggs may be transported at an internal temperature of 13° Celsius or lower where the eggs are being transported from an egg grading station to,

- (a) a wholesaler of eggs;
(b) a retailer of eggs; or
(c) an egg product processing station. O. Reg. 243/84, s. 34.

35. Food that is intended to be transported, displayed, stored, sold or offered for sale in a frozen state shall be frozen to a temperature of minus 18° Celsius or lower and maintained thereafter at a temperature of minus 18° Celsius or lower until sold or prepared for use. O. Reg. 243/84, s. 35.

36.—(1) Cans, containers or wrappings of hazardous food shall bear,

- (a) a permanent code marking of the manufacturer or processor designating the plant where the food was manufactured or processed; and
(b) the date on which the food was manufactured or an expiry date.

(2) Subsection (1) does not apply where hazardous food is packaged and sold retail on the same food premise. O. Reg. 243/84, s. 36.

MEAT AND MEAT PRODUCTS

37. Manufactured meat products that are customarily eaten without further cooking shall be subjected to a process sufficient to destroy pathogenic bacteria, parasites and the cystic forms of parasites. O. Reg. 243/84, s. 37.

38.—(1) Every operator of a premise in which meat products are manufactured shall maintain records of meats received for processing in the premise operated by him and the records shall include the kinds of meats, the names and addresses of suppliers, weights and the dates of receipt.

(2) A record referred to in subsection (1) shall be maintained at the premise for not less than one year from the date of entry of the record. O. Reg. 243/84, s. 38.

39.—(1) Except as provided in subsections (2) and (3), every manufactured meat product that is transported, handled, distributed, displayed, stored, sold or offered for sale at a food premise shall be identified as to the meat processing plant of origin by a tag, stamp or label affixed to the product.

(2) A bulk packed manufactured meat product that cannot be individually identified under subsection (1) because of its size, shape or consistency may be removed from its container for the purpose of display or sale where the container bears the plant identification referred to in subsection (1).

(3) Subsection (1) does not apply to a manufactured meat product stored, sold or offered for sale in a retail outlet at the plant of origin. O. Reg. 243/84, s. 39.

40.—(1) A food premise that sells meat shall only have meat on the premises that has been,

- (a) obtained from an animal that has been inspected; and
(b) stamped or labelled,

under the *Meat Inspection Act* and the regulations thereunder.

(2) Notwithstanding subsection (1), a food premise that sells meat may have uninspected meat on the premises for the purposes of custom cutting, wrapping and freezing for the owner of the uninspected meat provided that,

- (a) each quarter or larger section of the carcass bears a tag with the name and address of the owner thereon;
- (b) each quarter or larger section of the carcass is legibly stamped "Consumer Owned, Not For Sale" on each of the primal cut areas in letters not less than 1.25 centimetres in height using ink made from non-toxic edible ingredients; and
- (c) the uninspected meat is stored so as not to come into contact with meat that is for sale. O. Reg. 243/84, s. 40.

41. Where a retail food premise has custom-cut consumer owned uninspected meat, the utensils, equipment and food contact surfaces used in connection therewith shall be washed and sanitized in accordance with section 73, 74, 75, 76, 77 or 81, as the case may be, prior to their re-use on meat that has been inspected. O. Reg. 243/84, s. 41.

MILK AND MILK PRODUCTS

42.—(1) Milk products shall be pasteurized or made from milk that has been pasteurized by heating the milk product to a temperature of at least,

- (a) 63° Celsius and holding it at that temperature for not less than thirty minutes;
- (b) 72° Celsius and holding it at that temperature for not less than sixteen seconds; or
- (c) such temperature other than a temperature referred to in clause (a) or (b) for such period of time that will result in the equivalent destruction of pathogenic organisms and phosphatase.

(2) A milk product shall be sterilized by heating the milk product to a temperature of 135° Celsius and holding it at that temperature for not less than two seconds, or to such other temperature for such period of time that will result in sterilization. O. Reg. 243/84, s. 42.

43.—(1) Milk products other than butter and goat milk shall be deemed to have been pasteurized if the product is negative when tested for the presence of alkaline phosphatase as determined by the official method.

(2) A milk product shall be deemed to have been sterilized if a sample of the product is free of living organisms as determined by an official method. O. Reg. 243/84, s. 43.

44. Notwithstanding subsection 43 (1),

- (a) butter shall be deemed to have been made from pasteurized milk or cream if it is negative when tested for the presence of peroxidase as determined by an official method; and

- (b) goat milk shall be deemed to have been pasteurized if the recording thermometer chart indicates the milk was heated as required in section 42. O. Reg. 243/84, s. 44.

45. Subsection 18 (2) of the Act does not apply to cheese made from unpasteurized milk if the cheese has been stored at a temperature not lower than 2° Celsius for a period of not less than sixty days following the time of manufacture. O. Reg. 243/84, s. 45.

46.—(1) Milk products shall be cooled immediately after pasteurization to a temperature of at least 5° Celsius or less.

(2) Subsection (1) does not apply to a milk product that,

- (a) is to be further processed prior to packaging, then cooled to 5° Celsius, or less;
- (b) has been sterilized and is to be or is aseptically packaged; or
- (c) is processed by drying. O. Reg. 243/84, s. 46.

47.—(1) Effective the 1st day of September, 1984,

- (a) every pasteurizer used for milk products shall be equipped with indicating and recording thermometers that are accurate and may be easily read; and
- (b) every high temperature short time pasteurizer used for milk products shall be equipped with a properly functioning flow diversion valve.

(2) Recording thermometers shall be moisture proof and easily read. O. Reg. 243/84, s. 47.

48. The temperature of a milk product in a pasteurizer at any time shall be taken as the temperature shown on the indicating thermometer and not the temperature shown by the recording thermometer. O. Reg. 243/84, s. 48.

49. The temperature shown by the recording thermometer shall be checked daily by the operator against the temperature shown by the indicating thermometer and shall be adjusted to read no higher than the temperature shown by the indicating thermometer. O. Reg. 243/84, s. 49.

50.—(1) A recording thermometer chart shall not be used for a period that will exceed one complete rotation of the graph.

(2) A recording thermometer chart shall have the following information noted thereon:

1. The date of operation.

2. The number of the pasteurizer, if more than one is in use, to which the recorder was attached.
3. The temperature of the indicating thermometer at some time corresponding with a marked point in the holding period.
4. The name of product being pasteurized.
5. The signature of the operator.

(3) Where more than one recording thermometer is in use, each chart shall be numbered in such a manner as to indicate the recording thermometer that was used for the chart.

(4) A recording thermometer chart shall be kept by an operator for at least three months after it is used. O. Reg. 243/84, s. 50.

51. Sterilized fluid milk products shall be sold in or from containers that bear the words "STERILIZED" or "STERILE" and "REFRIGERATE AFTER OPENING". O. Reg. 243/84, s. 51.

52.—(1) A food premise that repackages milk products not produced in that food premise, shall identify the original processor, packing date and batch number on the containers of repackaged milk products.

(2) Notwithstanding subsection (1), the operator of the food premise may show on the containers of repackaged milk products,

- (a) the operator's name and address or code marking; and
- (b) the operator's "Best Before" or repackaging date,

provided that records are maintained by the operator that identify the original processor, packing date and batch number of the milk products.

(3) Subsections (1) and (2) do not authorize the repackaging of fluid milk products. O. Reg. 243/84, s. 52.

53. Notwithstanding section 23, cases of fluid milk products may be stored directly on the floor of refrigerated rooms provided that such cases are designed for re-use and do not permit direct contact between the floor and the fluid milk container. O. Reg. 243/84, s. 53.

EGGS

54.—(1) No operator of a food premise shall store, handle, serve, process, prepare, display, distribute, transport, offer for sale or sell ungraded or Grade "C" eggs.

(2) Notwithstanding subsection (1), the operator of an egg grading station may store and handle ungraded

eggs for the purpose of grading and may sell and transport Grade "C" eggs,

- (a) directly to a consumer for the consumer's own consumption;
- (b) to a food premise that retails eggs to a consumer for the consumer's own consumption; or
- (c) to an egg processing station.

(3) Subsection (1) does not apply in respect of Grade "C" eggs sold in a food premise that retails eggs to a consumer only for the consumer's own consumption. O. Reg. 243/84, s. 54.

55.—(1) Each carton of Grade "C" eggs that is sold retail in a food premise shall bear the following label on the cover in letters not less than 0.31 centimetre in height:

"NOTE: CRACKED EGGS IN THIS CARTON SHOULD BE THOROUGHLY COOKED BEFORE BEING EATEN."

(2) Displays of uncartoned Grade "C" eggs in a food premise that retails foods shall bear a sign with the following statement in letters not less than 2.54 centimetres in height:

"CRACKED EGGS IN THIS DISPLAY SHOULD BE THOROUGHLY COOKED BEFORE BEING EATEN."

O. Reg. 243/84, s. 55.

MAINTENANCE

56. Furniture, equipment and appliances in any room or place where food is manufactured, stored, handled, displayed, distributed, sold or offered for sale, prepared, processed or served shall be so constructed and arranged as to permit thorough cleaning and the maintaining of the room or place in a clean and sanitary condition. O. Reg. 243/84, s. 56.

57.—(1) Garbage and wastes shall be removed from a food premise at least twice weekly or as often as is necessary to maintain the premise in a sanitary condition.

(2) Garbage receptacles in a room or place where food is manufactured, prepared, handled, processed, displayed, sold or offered for sale, served or stored shall be,

- (a) cleaned and sanitized after each use;
- (b) removed from the room when full; and
- (c) except where a daily collection service is provided, placed in a separate room or place, compartment or bin so constructed and maintained as to exclude insects and vermin

and prevent odours and health hazards on the premises.

(3) All liquid waste from the operation of a food premise shall be disposed of in a sanitary manner. O. Reg. 243/84, s. 57.

58. Cooking equipment shall be,

- (a) provided with a shield, canopy or other device of corrosion-resistant, non-absorbent and readily cleanable material; or
- (b) placed so as to protect walls, ceilings and equipment from grease and food particles. O. Reg. 243/84, s. 58.

59. Every operator shall ensure that in respect of a food premise operated by him,

- (a) the food premise is swept and cleaned in such a manner as to prevent contamination of food;
- (b) no cup, glass, dish or utensil that is chipped or cracked is used in the preparation, service or storage of food;
- (c) containers, caps, covers and wrapping materials used in the packaging of food shall be made from materials that,
 - (i) are non-toxic, and
 - (ii) will prevent contamination or adulteration of the food or milk;
- (d) single-service containers and single-service articles are kept in such a manner and place as to prevent contamination of the containers or articles;
- (e) every room where food is manufactured, prepared, processed, handled, served, displayed, stored, sold or offered for sale is kept free from,
 - (i) materials and equipment not regularly used in the room, and
 - (ii) subject to section 60, live birds and animals;
- (f) dispensing scoops and dippers for ice cream, frozen confections or desserts are kept in a dipper-well with running water between servings, or in any other manner that will prevent bacterial growth;
- (g) the surface of equipment and facilities other than utensils that come in contact with food are washed and sanitized as often as is necessary to maintain such surfaces in a sanitary condition; and

- (h) the floors, walls and ceilings of every room where food is manufactured, handled, displayed, prepared, processed, served or stored, sold or offered for sale are kept clean and in good repair. O. Reg. 243/84, s. 59.

60. Subclause 59 (e) (ii) does not apply to,

- (a) a dog serving as a guide for a blind person;
- (b) live birds or animals offered for sale on food premises other than food service premises where the medical officer of health has given his approval in writing for the keeping of the birds or animals on the premises; or
- (c) live aquatic species displayed or stored in sanitary tanks on food premises. O. Reg. 243/84, s. 60.

61. Table covers, napkins or serviettes used in the service of food shall be clean and in good repair and multi-service napkins and serviettes shall be laundered before each use. O. Reg. 243/84, s. 61.

62. Cloths and towels used for washing, drying or polishing utensils or cleaning tables shall be,

- (a) in good repair;
- (b) clean; and
- (c) used for no other purpose. O. Reg. 243/84, s. 62.

63. Toxic and poisonous substances required for maintenance of sanitary conditions shall be,

- (a) kept in a compartment separate from food so as to preclude contamination of any food, working surface or utensil;
- (b) kept in a container that bears a label on which the contents of the container are clearly identified; and
- (c) used only in such manner and under such conditions that the substances do not contaminate food or cause a health hazard. O. Reg. 243/84, s. 63.

PERSONNEL

64.—(1) Every food premise where an employee is required to make a complete change of outer garments at the beginning and the end of the work period shall contain dressing rooms of sufficient size for all employees to change and store their clothing.

(2) The dressing rooms referred to in subsection (1) shall be,

- (a) separate for males and females; and

- (b) equipped with a locker or other facility suitable for the storing of the clothing of each employee. O. Reg. 243/84, s. 64.

65.—(1) Every operator or employee who handles or comes in contact with food or with any utensil used in the manufacture, storage, display, sale or offering for sale, preparation, processing or service of food shall,

- (a) not use tobacco while so engaged;
- (b) be clean;
- (c) wear clean outer garments;
- (d) subject to subsection (2), wear headgear that confines the hair;
- (e) wash his hands before commencing or resuming work and after each use of a toilet, urinal or privy;
- (f) be free from any infectious agent of a disease that may be spread through the medium of food; and
- (g) submit to such medical examinations and tests as are required by the medical officer of health to confirm the absence of an infectious agent mentioned in clause (f).

(2) Clause (1) (d) does not apply to waiters, waitresses, maître d's, hostesses, busboys, bartenders or other employees whose activities are usually confined to the serving of food to customers. O. Reg. 243/84, s. 65.

66. A person who has a skin disease shall not perform any work that brings him into contact with food unless he has obtained the approval of the medical officer of health in writing before handling food. O. Reg. 243/84, s. 66.

67. Every operator shall, in respect of each food premise operated by him, ensure the availability of the clean outer garments and headgear prescribed in subsection 65 (1) and shall ensure compliance with sections 65 and 66. O. Reg. 243/84, s. 67.

SANITARY FACILITIES

GENERAL

68.—(1) Every food premise shall provide one or more sanitary facilities in accordance with this section and sections 69 and 70.

(2) Every sanitary facility shall,

- (a) be conveniently located and accessible to employees or patrons, as the case may be;
- (b) have floor-to-ceiling walls and a full-length, self-closing, tight-fitting door;

- (c) have toilet compartment partitions and doors that afford privacy for toilet use;

- (d) have a sign clearly indicating the sex for which it is intended; and

- (e) be kept clean, sanitary and in good repair at all times.

(3) Every sanitary facility shall be equipped with,

- (a) a supply of toilet paper;
- (b) a constant supply of hot and cold running water;
- (c) a supply of soap or detergent in a dispenser;
- (d) a receptacle of durable construction that is easily cleaned for used towels and other waste material; and
- (e) a continuous cloth roller towel in a mechanical device together with a supply of paper towels, a supply of clean single-service towels or a hot air dryer.

(4) Toilets shall be of water-flush operation with open front toilet seats.

(5) A food premise is exempt from the provisions of clauses (3) (b), (c) and (e) and subsection (4) where water-flush toilets cannot be installed and where non-flush toilets or privies are approved for use by the medical officer of health and are,

- (a) completely separate from the food premise;
- (b) so constructed so as to protect against the entrance of insects, rodents or vermin;
- (c) equipped with full-length, self-closing doors;
- (d) constructed and located so as to prevent contamination of surface or ground water;
- (e) lighted and ventilated;
- (f) provided with commercially packaged single-use moist hand towelettes; and
- (g) provided with open front toilet seats.

(6) Washbasins, urinals and toilets shall be cleaned and sanitized at least once in every work day and as often as is necessary to maintain them in a sanitary condition.

(7) Access doors to sanitary facilities and toilet cubicles shall not be locked or equipped with coin or token operated unlocking devices except as provided in subsection 70 (8).

(8) Washbasins may be equipped with a tepid water supply from a single tap.

(9) This section does not apply to a vehicle that is used for the transporting of food or a catering vehicle.
O. Reg. 243/84, s. 68.

SANITARY FACILITIES

EMPLOYEES

69.—(1) Except as provided in subsection 70 (3), every food premise shall have separate sanitary facilities for patrons and employees.

(2) Subject to subsections (4), (5) and (6), every food premise shall provide for the use of employees and the operator separate sanitary facilities for each sex with the numbers of toilets and washbasins in accordance with Table 1:

TABLE 1

Number of male employees or number of female employees	Number of Fixtures for each sex	
	Toilets	Washbasins
1 to 9	1	1
10 to 24	2	2
25 to 49	3	3
50 to 74	4	4
75 to 100	5	5
Add one toilet and one washbasin for each additional thirty employees of each sex, or less.		

(3) In calculating the toilets and washbasins required in Table 1, the number of employees shall be the maximum number who are normally present on the premises at one time and shall include only those who are present for more than 25 per cent of the working day.

(4) Where the total number of employees does not exceed five, the same room may be used by both sexes provided that the door to the room is capable of being locked on the inside.

(5) Urinals may be substituted for up to two-thirds of the required number of toilets.

(6) For the purpose of this section, each sixty-one centimetres of circumference of a circular wash-fountain or length of straight trough washbasin may be counted as one washbasin.

(7) A continuous cloth roller towel in a mechanical device together with a supply of paper towels, a supply of clean single-service towels or a hot air dryer shall be provided at all times for hand drying.

(8) Except for a food premise that was in operation before the 1st day of June, 1978 the sanitary facilities for employees required by this section shall have a minimum floor area of 2.32 square metres. O. Reg. 243/84, s. 69.

SANITARY FACILITIES

PATRONS OF FOOD SERVICE PREMISES

70.—(1) Every food service premise where food is prepared and consumed thereon shall include for the use of patrons separate sanitary facilities for each sex.

(2) A food service premise where food is served for immediate consumption thereon and that was opened to the public for the first time after the 1st day of March, 1976 or any premises that increased the size of the service after the 1st day of March, 1976 shall for the purposes of subsection (1) provide sanitary facilities in accordance with the following standards:

1. Subject to paragraphs 4 and 6, a food service premise not used primarily for the consumption of alcoholic beverages shall be provided with fixtures for the use of patrons in accordance with Table 2:

TABLE 2

Number of Seats	Minimum Number of Toilets for Each Sex	Minimum Number of Washbasins for Each Sex
0 to 40	1	1
41 to 140	2	1
141 to 210	3	1
211 to 270	4	2
271 to 330	5	2
331 to 390	6	3
391 to 450	7	3
451 to 550	8	4
551 to 650	9	4
651 to 750	10	5
751 to 850	11	6
i. Add one toilet for each sex for each additional 100 seats or less and one washbasin for each sex for each additional 200 seats or less.		
ii. Calculate the number of seats by allotting one seat for each 1.12 square metres of usable seating area.		

2. Subject to paragraphs 4 and 6, a food service premise used primarily for the consumption of alcoholic beverages shall be provided with fixtures for the use of patrons in accordance with Table 3:

TABLE 3

Number of Seats	Minimum Number of Toilets for Each Sex	Minimum Number of Washbasins for Each Sex
0 to 100	2	1
100 to 140	3	1
141 to 180	4	2
181 to 220	5	2
221 to 280	6	3
281 to 360	7	3
361 to 440	8	4
441 to 520	9	4

i. Add one toilet for each sex for each additional eighty seats and one washbasin for each sex for each additional 160 seats or less.

ii. Calculate the number of seats by allotting one seat for each 1.12 square metres of usable seating area.

3. Where a parking lot is operated as part of the premises and patrons are permitted to eat in vehicles parked thereon, parking spaces shall be clearly marked and each parking space shall be deemed for the purposes of paragraph 1 to be equivalent to,

i. two seats where employees serve food on the parking lot, or

ii. one seat where food service by employees is not provided on the parking lot.
4. Urinals may be substituted for up to two-thirds of the required number of toilets.
5. At least one of the toilet fixtures required for each sex under paragraphs 1 and 2 shall be suitable for use by wheelchair occupants and access doors and passages that permit the entry of a standard wheelchair shall be provided where,

i. the food service premise is readily accessible to wheelchair occupants, and

ii. the seating capacity is 141 or more,

but where the sanitary facilities referred to in subsection (1) cannot be made accessible to wheelchair occupants, a single accessible sanitary facility for use by both sexes may be installed for wheelchair occupants only.

6. Greater or lesser numbers, as the case may be, of fixtures for each sex than those required under paragraphs 1 and 2 may be installed where there is likely to be a greater
- or lesser percentage of male patrons than female patrons or vice versa, provided that the total number of fixtures for both sexes remains unchanged.
7. Where a sanitary facility is equipped with only one toilet and one washbasin the sanitary facility shall have a minimum floor area of 2.32 square metres.

8. For the purpose of paragraph 1 each parking space within the viewing area of a drive-in theatre where food is served shall be considered the equivalent of one seat.
- (3) Notwithstanding subsection (1), a food service premise having fewer than forty seats where,
- (a) patrons are permitted to use employee sanitary facilities;

(b) two employee's sanitary facilities, one for each sex, are available;

(c) the number of fixtures for each sex is calculated in accordance with Table 1 where the number of employees is deemed to be the sum of,

(i) one-half the number of patron seats, and

(ii) the number of employees of each sex;

(d) access to the sanitary facilities is from within the premises; and

(e) patrons can gain access to the sanitary facilities without passing through food preparation or storage areas,
- is not required to have separate sanitary facilities for patrons.
- (4) An enclosed theatre located in a permanent structure is exempt from the requirements of subsection (2) where food service is provided only from a refreshment stand or a vending machine or both.
- (5) Public sanitary facilities may be used as an alternative to facilities that are part of the food service premises provided that all such public facilities are,
- (a) conveniently located with respect to the food premises;

(b) equipped with sufficient fixtures to assure availability under normal conditions of use;

(c) where the food service premise is operated in connection with an exhibition, fair, carnival, sports meeting or amusement park, located in the same building or on the same grounds;

(d) clearly identified by signs; and
- 883

- (e) open when the food service premises are open.

(6) Notwithstanding clause (5) (a), except for a food service premise that provides vending machine service only, the use of public sanitary facilities as an alternative shall not be permitted where the food service premise is located in a permanent structure, opened for the first time to the public after the 31st day of March, 1976, unless such public facilities are located within forty-six metres of the food service premise by the shortest pedestrian route.

(7) A continuous cloth roller towel in a mechanical device together with a supply of paper towels, a supply of clean single-service towels or at least one hot air dryer for every two washbasins shall be provided for hand drying at all times in each sanitary facility for patrons.

(8) Cubicles for toilets in excess of the minimum number of toilets required in Tables 2 and 3 of subsection (2) may be equipped with coin or token operated unlocking devices. O. Reg. 243/84, s. 70.

CLEANING AND SANITIZING OF UTENSILS

71.—(1) Multi-service articles shall be cleaned and sanitized after each use.

(2) Utensils other than multi-service articles shall be cleaned and sanitized as often as is necessary to maintain them in a clean and sanitary condition.

(3) Equipment for pasteurization, sterilization and subsequent handling of milk and milk products shall be sanitized immediately prior to use. O. Reg. 243/84, s. 71.

72.—(1) Equipment and facilities for the cleaning and sanitizing of utensils shall be used for no other purpose and shall consist of,

- (a) mechanical equipment; or
- (b) equipment for washing by hand consisting of,
 - (i) a three compartment sink or three sinks, of corrosion-resistant material of sufficient size to ensure thorough cleaning and sanitizing of utensils, or
 - (ii) a two-compartment sink or two sinks, of corrosion-resistant material for the cleaning and sanitizing of utensils where washing and rinsing can be done effectively in the first sink and the second sink is used for sanitizing as described in subsection 75 (1), and
 - (iii) drainage racks of corrosion-resistant material.

(2) Where the sinks referred to in subclause (1) (b) (i) or (ii) are not sufficient to effectively clean and sanitize the utensils, such additional sinks as will effectively clean and sanitize the utensils are required.

(3) Subclause (1) (b) (ii) does not apply to the cleaning and sanitizing of multi-service articles. O. Reg. 243/84, s. 72.

73. Utensils shall be,

- (a) scraped or rinsed;
- (b) cleaned;
- (c) rinsed; and
- (d) sanitized. O. Reg. 243/84, s. 73.

74. Where equipment for washing by hand is used, utensils shall be,

- (a) cleaned in a sink in a detergent solution capable of removing soil;
- (b) rinsed in a second sink in clean water at a temperature not lower than 43° Celsius; and
- (c) sanitized in a third sink. O. Reg. 243/84, s. 74.

75.—(1) Utensils shall be sanitized by,

- (a) immersion in clean water at a temperature of at least 77° Celsius, or more, for at least forty-five seconds;
- (b) immersion in a clean chlorine solution of not less than 100 parts per million of available chlorine at a temperature not lower than 24° Celsius for at least forty-five seconds;
- (c) immersion in a clean quaternary ammonium compound solution of not less than 200 parts per million at a temperature not lower than 24° Celsius for at least forty-five seconds;
- (d) immersion in a clean solution containing not less than twenty-five parts per million of available iodine at a temperature not lower than 24° Celsius for at least forty-five seconds; or
- (e) immersion in any solution containing a sanitizing agent that is non-toxic and that provides a bactericidal result not less than the result provided by clause (a), (b) or (c) and for which a convenient test reagent is available.

(2) A test reagent for determining the concentration of sanitizer and an accurate thermometer to determine the temperature of the sanitizing solution shall be readily available where the sanitizing takes place. O. Reg. 243/84, s. 75.

76. Notwithstanding sections 74 and 75, utensils, other than utensils that come into direct contact with a milk product or ready to eat food, may be cleaned and sanitized in one operation provided that,

- (a) the chemical product used is designed for that purpose;
- (b) the product container bears directions for use indicating optimum temperature and exposure times;
- (c) the product is used in accordance with the directions for use;
- (d) a test reagent is readily available on the premises to determine the concentration of the sanitizing agent; and
- (e) the utensils so treated are completely rinsed with clean water. O. Reg. 243/84, s. 76.

77. Mechanical equipment shall be,

- (a) so constructed, designed and maintained that,
 - (i) the wash water is sufficiently clean at all times to clean the dishes and is maintained at a temperature not lower than 60° Celsius or higher than 71° Celsius, and
 - (ii) the sanitizing rinse is,
 - (A) water that is maintained at a temperature not lower than 82° Celsius and is applied for a minimum of ten seconds in each sanitizing cycle, or
 - (B) a chemical solution described in clause 75 (1) (b), (c), (d) or (e); and
- (b) provided with thermometers that show wash and rinse temperatures and that are so located as to be easily read. O. Reg. 243/84, s. 77.

78. A food premise is exempt from the provisions of section 77 where the medical officer of health is satisfied that the use of any other machine or device will effectively clean and sanitize utensils and result in a bacterial count on the utensils within the limit prescribed by section 80. O. Reg. 243/84, s. 78.

79. Where food processing equipment is cleaned and sanitized in place without disassembling the equipment, the operator shall ensure that instructions respecting,

- (a) the chemicals used for cleaning and sanitizing;

- (b) the strength of the chemical solutions used;
- (c) the length of time the equipment was exposed to the chemicals; and
- (d) the procedures used for cleaning and sanitizing the equipment,

are posted in a place accessible to the person carrying out the cleaning and sanitizing. O. Reg. 243/84, s. 79.

80. The standard plate count from a multi-service article shall not exceed 100 bacterial colonies after cleaning and sanitizing and prior to re-use when tested by an official method in accordance with the standard plate test, utilizing the swab technique. O. Reg. 243/84, s. 80.

81. Utensils that have been cleaned and sanitized shall be transported and stored in such a manner as to prevent contamination. O. Reg. 243/84, s. 81.

82. Where a utensil is so large as to preclude washing and sanitizing by means of sinks or other machines, it shall be washed or scrubbed with a detergent solution, rinsed with clean water and,

- (a) sprayed or rinsed with hot water or steam in a manner that creates a temperature of not less than 82° Celsius on the treated surface; or
- (b) sprayed or rinsed with a chemical solution of a type described in subsection 76 (1) at double the strength that is set out in the product directions. O. Reg. 243/84, s. 82.

83. A reference in this Regulation to the medical officer of health or the public health inspector means the medical officer of health or the public health inspector, as the case may be, of the board of health in the health unit in which the food premise referred to is situate. O. Reg. 243/84, s. 83.

84. Regulations 840, 846 and 847 of Revised Regulations of Ontario, 1980 are revoked.

85. This Regulation comes into force on the day that section 95 of the *Health Protection and Promotion Act*, 1983 is proclaimed in force.

(4601)

18

PUBLIC TRUSTEE ACT

O. Reg. 244/84.

General.

Made—April 13th, 1984.

Filed—April 18th, 1984.

REGULATION TO AMEND REGULATION 887 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE PUBLIC TRUSTEE ACT

1. Clause 5 (1) (a) of Regulation 887 of Revised Regulations of Ontario, 1980, as remade by section 1 of Ontario Regulation 375/83, is revoked and the following substituted therefor:

(a) subject to subsections (2), (3) and (4), be credited to moneys in the hands of the Public Trustee on and after the 1st day of May, 1984 at the rate of 9.25 per cent per annum on the minimum monthly balance;

2. This Regulation comes into force on the 1st day of May, 1984.

(4602)

18

RECIPROCAL ENFORCEMENT OF MAINTENANCE ORDERS ACT, 1982

O. Reg. 245/84.

Reciprocating States.

Made—April 13th, 1984.

Filed—April 18th, 1984.

REGULATION TO AMEND REGULATION 893 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE RECIPROCAL ENFORCEMENT OF MAINTENANCE ORDERS ACT, 1982

1. Paragraph 2 of the Schedule to Regulation 893 of Revised Regulations of Ontario, 1980 is amended by adding thereto the following item:

va. Florida

(4603)

18

MUNICIPAL BOUNDARY NEGOTIATIONS ACT, 1981

O. Reg. 246/84.

Town of Almonte—Township of
Ramsay Boundary.

Made—April 13th, 1984.

Filed—April 19th, 1984.

ORDER IN COUNCIL

R.O.C. 161/84

WHEREAS The Corporation of the Town of Almonte and The Corporation of the Township of Ramsay have entered into an agreement dated the 11th day of October, 1983 for the resolution of certain intermunicipal boundary issues;

AND WHEREAS public notice was given by the Clerk of the Executive Council under subsection 17 (1) of the *Municipal Boundary Negotiations Act, 1981* of

the intention to make an order implementing the intermunicipal agreement;

AND WHEREAS no objections to the proposed issuance of the order were filed with the Clerk of the Executive Council within the filing period;

NOW THEREFORE on the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and concurrence of the Executive Council, orders under section 14 of the *Municipal Boundary Negotiations Act, 1981* that

1. On the 1st day of May, 1984, the portion of the Township of Ramsay described in the Schedule is annexed to the Town of Almonte.
2. All real property of The Corporation of the Township of Ramsay situate in the annexed area vests in The Corporation of the Town of Almonte on the 1st day of May, 1984.
3. On the 1st day of May, 1984, the by-laws of the Town of Almonte extend to the annexed area and the by-laws of the Township of Ramsay cease to apply to such area, except by-laws passed by the Township of Ramsay under section 34 of the *Planning Act, 1983* or a predecessor of that section or which are kept in force by subsection 13 (3) of *The Municipal Amendment Act, 1941*, and by-laws passed under section 41 of the *Planning Act, 1983* or a predecessor of that section which shall remain in force until repealed by the council of the Town of Almonte, and except by-laws conferring rights, privileges, franchises, immunities or exemptions that could not have been lawfully repealed by the council of the Township of Ramsay.
4. The clerk of the Township of Ramsay shall forthwith prepare and furnish to the clerk of the Town of Almonte a special collector's roll showing all arrears of taxes or special rates assessed against the lands in the annexed area up to the 30th day of April, 1984, and the persons assessed therefor.
- 5.—(1) All real property taxes levied under any general or special Act and uncollected in the annexed area which are due and unpaid on the 1st day of May, 1984 shall be deemed on that date to be taxes due and payable to The Corporation of the Town of Almonte and may be collected by The Corporation of the Town of Almonte in accordance with the provisions of the *Municipal Affairs Act*.
- (2) On or before the 1st day of August, 1984, The Corporation of the Town of Almonte shall pay to The Corporation of the Township of Ramsay an amount equal to the amount of all real property taxes that The Corporation of the Town of Almonte is entitled to collect in the annexed area under sub-

section (1), that were due but unpaid on the 1st day of May, 1984.

6. The agreement between The Corporation of the Town of Almonte and The Corporation of the Township of Ramsay dated the 11th day of October, 1983, is hereby given effect. O. Reg. 246/84.

Recommended CLAUDE F. BENNETT
 *Minister of Municipal Affairs
 and Housing*

Concurred GEORGE R. MCCAGUE
 Chairman

Approved and Ordered, April 13, 1984.

 JOHN B. AIRD
 Lieutenant Governor

Schedule

AREA TO BE ANNEXED TO THE TOWN OF
ALMONTE

That portion of the Township of Ramsay in the County of Lanark described as follows:

Beginning at the intersection of the southwesterly limit of the road allowance between concessions X and XI and the northwesterly boundary of the Town of Almonte;

Thence northwesterly 30.48 metres to the intersection of the southwesterly limit of the said road allowance and the northwesterly limit of that portion of the King's Highway known as No. 44;

Thence southwesterly along the northwesterly limit of the said King's Highway to the line between the east and west halves of Concession X, the said line being the northeasterly boundary of the said Town;

Thence southeasterly along the northeasterly boundaries of the said Town to the southeasterly limit of the said King's Highway;

Thence northeasterly along the said southeasterly limit to the place of beginning. O. Reg. 246/84, Sched.

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NOTICE TO SHERIFFS AND TREASURERS

Re Advertising Sale of Lands for Taxes in "The Ontario Gazette", Year 1984

Section 563 of The Municipal Act provides:

563. **The day of the sale** shall be **more** than ninety-one days after the first publication of the list in THE ONTARIO GAZETTE.

During year 1984 the dates for publication of tax sales advertisements in THE ONTARIO GAZETTE are as follows:

January 7th,	Issue No. 1—	Earliest Date	Sale can be held	—April 8th,	1984
February 4th,	" "	6	" " " "	—May 6th,	"
March 3rd,	" "	10	" " " "	—June 3rd,	"
April 7th,	" "	14	" " " "	—July 8th,	"
May 5th,	" "	19	" " " "	—August 5th,	"
June 2nd,	" "	23	" " " "	—September 2nd,	"
July 7th,	" "	27	" " " "	—October 7th,	"
August 4th,	" "	32	" " " "	—November 4th,	"
September 1st,	" "	36	" " " "	—December 2nd,	"
October 6th,	" "	40	" " " "	—January 6th,	1985
November 3rd,	" "	45	" " " "	—February 3rd,	"
December 1st,	" "	49	" " " "	—March 3rd,	"

Advertisements of tax sales must be received at least **TWO WEEKS PRIOR TO THE DATE OF PUBLICATION IN THE ONTARIO GAZETTE.**

REGULATION MADE UNDER
THE OFFICIAL NOTICES PUBLICATION ACT

THE ONTARIO GAZETTE is published each Saturday and advertisements must be received before Thursday 4 p.m. 9 days before publication date to ensure inclusion in the next issue.

Advertisements should be typewritten or printed legibly, separate from covering letter. Number of insertions required must be stated and the names of any signing officers typewritten or printed.

Advertising Rate: \$8.30 per single-column 25mm.

The rates payable for copies of THE ONTARIO GAZETTE are,

by subscribers for a subscription of 52 weekly issues, \$49.60; and

by others for a single copy, \$1.10 Payable in advance.

Rates subject to change without notice.

Cheques should be made payable to THE TREASURER OF ONTARIO and forwarded to THE ONTARIO GAZETTE.

All correspondence should be addressed:

THE ONTARIO GAZETTE
5th Floor, 880 Bay Street, Toronto, Ontario M7A 1N8
Telephone 965-2238

Please notify the Gazette Office of any address changes.

NEW

Ontario Government Publications

La Banque d'Instruments de Mesure de l'Ontario Chimie I 12 ^e Année au Cycle Supérieur	\$15.00
Medical Manpower for Ontario 1983	4.50
Visual Materials 1 for Use with Ontario Assessment Instrument Pool Geography	10.00
Visual Materials 2 for Use with Ontario Assessment Instrument Pool Geography	10.00
Ontario Assessment Instrument Pool—Physics Package II Senior Division	15.00
Ontario Assessment Instrument Pool—Physics Package III Senior Division	15.00
Resources for Community Groups	2.50
Resource Centre Audio-Visual Catalogue	3.50
Ministry of Municipal Affairs & Housing Bulletin 50—Issues in Capital Decision-Making	1.00
Provincial Highways Traffic Volumes: King's Highways Secondary Highways Tertiary Roads 1982	5.00
Towards Community Planning for an Aging Society	5.00
Drinking & Driving: A Discussion of Counter Measures and Consequences	5.00
Responsible Trucking	8.00
Ontario Labour Relations Board Decisions May 83	5.25
Energy Handbooks for Planners Executive Summary	3.00
Sixteenth Annual Report 1982-83 Ontario Law Reform Commission	1.75
Health Research Grants and Awards 1984/85	2.50
Working with Volunteer Boards A Facilitators Handbook	7.00
Ontario Law Reform Commission Report on Powers of Entry	3.00
Ontario Law Reform Commission Report on the Enforcement of Judgment Debts & Related Matters Part IV	6.00
Ontario Law Reform Commission Report on the Enforcement of Judgment Debts & Related Matters Part V	6.00
Inventory of Training Modules for Numerical Control Occupations	4.00

Personal Shopping:

Ontario Government Bookstore
880 Bay Street, Toronto
9am—5pm, Monday to Friday
965-2054

Mail Order:

Publications Centre
5th Floor, 880 Bay Street
Toronto, Ontario M7A 1N8
965-6015



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TORONTO, SATURDAY, MAY 12th, 1984

Parliamentary Notice Royal Assent

THE PROVINCE OF ONTARIO

Toronto, Tuesday, May 1st, 1984.

05 p.m.

In the name of Her Majesty the Queen, the Honourable the Lieutenant Governor of the Province of Ontario, was pleased to assent to the following Bills:

Bill 1, An Act to amend the County Courts Act.

Bill 4, An Act to amend the Wine Content Act.

Bill 6, An Act to amend the Corporations Information Act.

Bill 11, An Act to amend the Liquor Licence Act.

Bill 12, An Act to amend the Ministry of Consumer and Commercial Relations Act.

Bill 13, An Act to amend the Ombudsman Act.

Bill 14, The Arboreal Emblem Act.

Bill 18, An Act to amend the Justices of the Peace Act.

Bill 27, An Act to amend the Healing Arts Radiation Protection Act.

Bill 44, An Act to amend the Municipality of Metropolitan Toronto Act.

Bill 100, An Act to revise and consolidate the Law respecting the Organization, Operation and Proceedings of Courts of Justice in Ontario.

Bill 122, An Act to revise the Architects Act.

Bill 123, An Act to revise the Professional Engineers Act.

Bill Pr1, An Act to revive Moramos Holding Club of Essex.

Bill Pr4, An Act to incorporate Central Baptist Seminary and Bible College.

Bill Pr11, An Act to incorporate the Kitchener and Waterloo Community Foundation.

Bill Pr18, An Act to revive Zeta Psi Elders Association of Toronto.

Bill Pr42, An Act respecting the City of Peterborough.

RODERICK LEWIS, Q.C.,
Clerk of the Legislative Assembly
of Ontario.

(4653) 19

Ontario Highway Transport Board Act

The following applications for operating licences under the *Public Commercial Vehicles Act*, R.S.O. 1980, Chapter 407, the *Motor Vehicle Transport Act*, R.S.C. 1970, Chapter M-14 and the *Public Vehicles Act*, R.S.O. 1980, Chapter 425, are published pursuant to Section 8, R.R.O. 1980, Regulation 716.

Section 8, R.R.O. 1980, Regulation 716 provides that the Board may dispose of these applications summarily if no objection is served and filed in the prescribed manner within twenty-nine days of this publication.

Some of these applications will require a public hearing. Members of the public and counsel may speak to the dates and locations for such hearings on Thursday, the 7th day of June, 1984 at the Board's Chambers, Britannica House, 151 Bloor Street West, 10th Floor, Toronto, Ontario, at 4.00 p.m.

Persons unable to attend may speak to these matters by writing or telephoning Mr. Felix D'Mello, Case Review/Information Officer, at (416) 965-1845.

Clark Garden Supplies Limited, 36777
18 King Street,
P.O. Box 250,
Millbrook, Ontario L0A 1G0,

applies for the transfer of a Class 'R' public commercial vehicle operating licence No. R-4296, now in the name of Kenneth Hugh Clark, R.R. #1, Millbrook, Ontario L0A 1G0;

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Ministry of Government Services

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Queen's Printer for Ontario

2207

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MAY 24 1984

also applies for the transfer of Class 'F' public commercial vehicle operating licence No. F-29122, now in the name of Kenneth Hugh Clark, R.R. #2, Cavan, Ontario L0A 1C0.

H C Bus Lines Inc.,
35 Milburn Road,
Hamilton, Ontario L8E 3R2,

applies for the transfer of public vehicle (school bus) operating licence No. PVS-7357, now in the name of Zlatko Vrbetic, 35 Milburn Road, Hamilton, Ontario L8E 3R2.

Michael W. Condon,
R.R. #8,
Peterborough, Ontario K9J 6X9,

applies for the transfer of Class 'R' public commercial vehicle operating licence No. R-7026, now in the name of Fernand M. Rochon, 33 Cartier Street, Noelville, Ontario.

Rickey M. Conway,
R.R. #3,
Bracebridge, Ontario P0B 1C0,

applies for the transfer of Class 'R' public commercial vehicle operating licence No. R-7068, now in the name of William E. Eastman, R.R. #1, Huntsville, Ontario P0A 1K0.

Lee Line Corp.,
714 Bench Street,
Red Wing, Minnesota
55066 U.S.A.,

applies for the transfer of extra-provincial operating licence No. X-747, now in the name of Lee Line, Inc., 714 Bench Street, Red Wing, Minnesota 55066, U.S.A.

Dennis Hooton,
R.R. #3,
Cavan, Ontario L0A 1C0,

applies for the transfer of Class 'R' public commercial vehicle operating licence No. R-5376, now in the name of George Gournas, 90 Aldwych Avenue, Toronto, Ontario M4J 1X6.

Mario Conte Haulage Ltd.,
71 Jellicoe Crescent,
Brampton, Ontario L6S 3H7,

applies for the transfer of Class 'R' public commercial vehicle operating licence No. R-7910, now in the name of James Daniel Boyle, 110 Diane Drive, Orangeville, Ontario L9W 3N5.

Kenneth Restoule,
Dokis Bay,
Monetville, Ontario P0M 2K0,

applies for the transfer of Class 'R' public commercial vehicle operating licence No. R-5495, now in the name of Armin James Schaefer, 37 Second Street, Sturgeon Falls, Ontario P0H 2G0.

36777-A

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28616-A

417 Bus Line Limited,
278 St. Isidore Street,
Casselman, Ontario K0A 1M0,

applies for an extension to public vehicle operating licence No. PV-2133, as follows:

Delete:

"to points within 100 miles of the Village of Casselman"

Substitute:

"to points in Ontario"

so that as amended the affected portion of the licence will read, as follows:

"For the carriage of passengers from the Village of Casselman and a ten mile radius thereof, the Village of St. Isidore de Prescott, the Police Village of Bourget, in the Township of Clarence and Russell, to points in Ontario exclusively as a group of persons on a chartered trip being one specific trip for which a public vehicle is engaged or hired and one fare or charge only being collected for the trip covering the said group of persons considered as a unit and from such points on the said chartered trip without pick-up or discharge of passengers for return to point of beginning".

Manuel L. Dos Santos,
o/a Metro Movers & Cartage,
284 Lauder Avenue,
Toronto, Ontario M6E 3H6,

36738

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of freezers, refrigerators and dehumidifiers, for General Freezer Ltd., from its installations in Vaughan and Brampton to points in Metropolitan Toronto, Mississauga, Oshawa, Vaughan, Milton, Oakville, Whitby, Ajax, Brampton, Markham, Richmond Hill, Pickering, Halton Hills and a place known as Nobleton, in the Township of King and for the return of rejected shipments".

Melton Truck Lines, Inc.,
1129 Grimmet Drive,
P.O. Box 7666,
Shreveport, Louisiana
71107 U.S.A.,

35563-A

applies for an extension to extra-provincial operating licence No. X-3313, as follows:

"For the carriage of rough and dressed lumber for Cadillac Lumber Mills Ltd., from their installation at Vaughan to the international boundary for furtherance to points in the United States of America.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC-100666, Sub. 539, dated August 7, 1981 filed with the Ontario Highway Transport Board".

Tors Moving & Delivery Ltd.,
3-7839-49th Avenue,
Red Deer, Alberta T4P 2B4,

36757

applies for an extra-provincial operating licence, as follows:

"For the carriage of:

- (i) uncrated new and used household furniture, appliances and personal effects of a householder that are part of the contents of the dwelling in which they are to be used, and used vehicles, including used motorized snow vehicles, owned by the householder and being moved as part of and in conjunction with the movement of the said householder's goods;
- (ii) uncrated used office, store and commercial establishment furniture, equipment and crated or uncrated stock in trade of the office, store and commercial establishment in which such furniture, equipment and stock in trade are to be used;
- (iii) uncrated new furniture and equipment that are to be part of the furnishings of offices, museums, hospitals, factories and public institutions in which they are to be used; and
- (iv) objects of art, displays, exhibits and computers and similar electronic devices that, because of their fragile or unusual nature or value require specialized handling;

that can be carried on a standard truck, trailer or semi-trailer equipped with pads, belts, hooks, wardrobes and special packing containers and which do not require special loading devices other than powered tail-gates.

by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, the Northwest and Yukon Territories, from the Ontario-Manitoba border, to points in the Province of Ontario and from points in the Province of Ontario to the Ontario-Manitoba border, for furtherance to points in the said Provinces and Territories;

for interprovincial traffic only.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Alberta Motor Transport Board No. CCAB 54141, dated December 20, 1982, filed with the Ontario Highway Transport Board.

PROVIDED FURTHER that the licensee does not establish or maintain a place of business in other than the Province where it was located at the date of the issue of the first licence hereunder.

A place of business is any place at or from which a person operates in or for the furtherance of the business of this licensee and for which that person receives remuneration of any kind, directly or indirectly, from the licensee".

Buesing Bros. Trucking, Inc., 36704
2285 Daniels Street,
Long Lake, Minnesota
55356 U.S.A.,

applies for an extra-provincial operating licence, as follows:

- "(a) For the carriage of corn meal in bulk for Lincoln Grain Inc. and Krause Milling Company by shipment from Kansas, Missouri and Wisconsin three of the States of the United States of America, from the international boundary to Metro-

politan Toronto, the City of London, Cobourg and the City of Peterborough and from Metropolitan Toronto, the City of London, Cobourg and the City of Peterborough to the international boundary, for furtherance to Kansas, Missouri and Wisconsin three of the States of the United States of America.

- (b) For the carriage of syenite rock in bulk for Anchor Glass Container Corporation (AGCC) formerly Midland Glass Co. and Brockway Inc., by shipment from Minnesota one of the States of the United States of America, from the international boundary to points in the Township of Belmont and Methuen and from points in the Township of Belmont and Methuen to the international boundary, for furtherance to Minnesota one of the States of the United States of America.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC-140273 (Sub 31)X, dated May 18, 1981 and MC-140273 (Sub 37), dated November 26, 1982 filed with the Ontario Highway Transport Board".

Trimac Transportation Services
Ltd., 10804-N
600 - 800 - 5th Avenue South West,
Calgary, Alberta T2P 0N3,

applies for an extension to Class 'T' public commercial vehicle operating licence No. T-261, as follows:

"For the transportation of bulk commodities in tank vehicles.

CLASS 'D' PRIVILEGES—For the carriage of:

- (a) cement for Lake Ontario Cement Limited;
- (b) cement for Genstar Cement Limited from the City of Thunder Bay;
- (c) cement, cement blocks, bricks, tiles and sewer tile, for Supercrete (Ontario) Limited from Thunder Bay to points in the Districts of Thunder Bay, Algoma, Sudbury and Nipissing;
- (d) chlorine in cylinders, on specially designed vehicles with cradles and gantry cranes for Canadian Industries Limited from Dryden, to points in the Districts of Thunder Bay, Rainy River and Kenora; and for the return of empty cylinders and/or rejected shipments.

PROVIDED that the current terms of Class 'T' public commercial vehicle operating licence No. T-261 be revoked";

10804-O

also applies for an extension to extra-provincial operating licence No. X-3408, as follows:

"For the carriage of:

- A. Bulk commodities in tank vehicles from points in the Province of Ontario:

- (1) to the Ontario-Manitoba border at West Hawk Lake for furtherance to points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, Northwest and

Yukon Territories and the United States of America and by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, Northwest and Yukon Territories and the United States of America from the Ontario-Manitoba border at West Hawk Lake to points in the Province of Ontario;

- (2) to the Ontario-Quebec border at Virginiatown, Hull, Pointe Fortune, Riviere Beaudette for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland and the United States of America and by shipment from points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland and the United States of America from the Ontario-Quebec border at Virginiatown, Hull, Pointe Fortune and Riviere Beaudette to points in the Province of Ontario;

- (3) to the international boundary at the St. Lawrence, Niagara, Detroit, St. Clair, St. Marys, Pigeon, Rainy and Fort Frances Rivers for furtherance to points in the United States of America and the Provinces of British Columbia, Alberta, Saskatchewan, Manitoba, Yukon and Northwest Territories, Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland and by shipment from points in the United States of America and the Provinces of British Columbia, Alberta, Saskatchewan, Manitoba, Yukon and Northwest Territories, Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland from the international boundary at the St. Lawrence, Niagara, Detroit, St. Clair, St. Marys, Pigeon, Fort Frances and Rainy Rivers to points in the Province of Ontario;

B. (1) bulk commodities in tank vehicles;

- (2) goods;

by shipment from points in the Provinces of British Columbia, Alberta, Saskatchewan, Manitoba, the Yukon and Northwest Territories and the United States of America from the Ontario-Manitoba border in transit through the Province of Ontario without pick-up or discharge privileges to the Ontario-Quebec border for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland and the United States of America and by shipment from points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland and the United States of America from the Ontario-Quebec border in transit through the Province of Ontario without pick-up or discharge privileges to the Ontario-Manitoba border for furtherance to points in the Provinces of British Columbia, Alberta, Saskatchewan, Manitoba, the Yukon and Northwest Territories and the United States of America.

C. cement for Genstar Cement Ltd., Lake Ontario Cement Limited and Canada Cement Lafarge Ltd., from points in the Province of Ontario;

- (a) to the Ontario-Manitoba border at West Hawk Lake for furtherance to points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, Northwest and Yukon Territories and the United States of America and by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, Northwest and Yukon Territories and the United States of America from the Ontario-Manitoba border at West Hawk Lake to points in the Province of Ontario;

- (b) to the Ontario-Quebec border for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland and the United States of America and by shipment from points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland and the United States of America from the Ontario-Quebec border to points in the Province of Ontario;

- (c) to the international boundary at the St. Lawrence, Niagara, Detroit, St. Clair, St. Marys, Fort Frances, Pigeon and Rainy Rivers for furtherance to points in the United States of America and the Provinces of British Columbia, Alberta, Saskatchewan, Manitoba, Yukon and Northwest Territories, Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland and by shipment from points in the United States of America and the Provinces of British Columbia, Alberta, Saskatchewan, Manitoba, Yukon and Northwest Territories, Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland from the international boundary at the St. Lawrence, Niagara, Detroit, St. Clair, St. Marys, Fort Frances, Pigeon and Rainy Rivers to points in the Province of Ontario;

D. chlorine and sulphur dioxide in cylinders on specially designed vehicles with cradles and gantry cranes, for Canadian Industries Limited from its installations at the City of Cornwall and/or the Town of Dryden to the Ontario-Manitoba border at or near West Hawk Lake for furtherance to points in the Province of Manitoba and for the return of the said cylinders when empty or rejected shipments to the said installations at Cornwall and Dryden;

E. goods for Domtar Construction Materials Limited by shipment from Montreal, in the Province of Quebec from the Ontario-Quebec border at Riviere Beaudette, Pointe Fortune or Ottawa to points in the Province of Ontario lying east of and including King's Highways Nos. 37 and 41; and for the return of rejected shipments to Montreal in the Province of Quebec.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authorities as issued by:

1. the Interstate Commerce Commission of the United States of America No. MC 123329, Sub 66, dated November 29, 1983,
2. the Motor Carrier Commission of the Province of British Columbia, dated December 31, 1983,
3. the Motor Transport Board of the Province of Alberta, No. CCAB 50939, dated December 23, 1983,
4. the Highway Traffic Board of the Province of Saskatchewan, under Certificate No. 641, dated January 26, 1984,
5. the Motor Transport Board of the Province of Manitoba dated December 14, 1983,
6. the Quebec Transport Commission No. M-305782, dated January 9, 1984,
7. the Motor Carrier Board of the Province of New Brunswick dated January 5, 1984,
8. the Board of Commissioners of Public Utilities of the Province of Nova Scotia dated January 3, 1984,
9. the Board of Commissioners of Public Utilities of the Province of Newfoundland and Labrador, No. MC 682, dated December 20, 1978,
10. the Highway Transport Board of the Northwest Territories, dated January 4, 1984,
11. the Transport Public Utilities Board of the Government of the Yukon Territory dated January 19, 1984,
12. the Public Utilities Commission of Prince Edward Island dated June 4, 1980,

all filed with the Board.

PROVIDED FURTHER that the current terms of extra-provincial operating licence No. X-3408, be revoked".

Pamtours Inc., 36796
501 Fifth Avenue,
New York, New York
10017 U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons from,

points in the United States of America, from the international boundary to (a) points in Ontario (b) to the Ontario-Quebec border in transit through Ontario without pick-up or discharge privileges to points in the Province of Quebec,

and from such points on the same chartered trip, without pick-up or discharge of passengers in Ontario to point of origin.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the

United States of America No. MC-167669, dated July 29, 1983 and paragraph 2 of Section 3 of Regulations respecting special and charter trips by Order-In-Council 1264-83 dated June 15, 1983 of the Quebec Transport Commission, filed with the Ontario Highway Transport Board".

Combined Trucking Services Ltd., 36743
260 Dundas Street East,
P.O. Box 1602,
Belleville, Ontario K8N 5J2,

applies for a Class 'H' public commercial vehicle operating licence, as follows:

"To or from points in the Counties of Hastings, Prince Edward, Northumberland, Lennox and Addington".

Fidelity Van and Storage
Company Inc., 31876-G
5 Ofield Road,
Hamilton, Ontario L8S 2M4,

applies for an extension to extra-provincial operating licence No. X-414, as follows:

Delete the following:

"AND PROVIDED FURTHER that any extra-provincial operating licence issued pursuant to this certificate shall expire on the 1st day of May, 1984, unless prior to that date complementary authorities as issued by the Board and/or Commissions of the Provinces of Prince Edward Island, Nova Scotia, New Brunswick, Manitoba, Saskatchewan, Alberta and British Columbia, the Yukon and Northwest Territories are filed with the Ontario Highway Transport Board".

And substitute therefor:

"AND PROVIDED FURTHER that any extra-provincial operating licence issued pursuant to this certificate shall expire on the 1st day of May, 1985, unless prior to that date complementary authorities as issued by the Board and/or Commissions of the Provinces of Nova Scotia, Alberta and British Columbia are filed with the Ontario Highway Transport Board".

S.M.F. Inc., 35692-A
8505 W. Warren Avenue,
Dearborn, Michigan
48126 U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of dressed lumber and waferboard from the installations of Newman Harbour Terminals and Transportation Inc. and Van de Hogan Cartage Lines Ltd., both situated at Windsor, Ontario, to the international boundary at the Detroit River for furtherance to points in the United States of America as authorized, and for the return of rejected shipments.

PROVIDED that such shipments shall have a prior movement by rail.

"AND PROVIDED FURTHER that this operating authority be operated in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America, No. MC-160899 Sub 1, dated January 13, 1984, filed with the Ontario Highway Transport Board".

**QWYX Reservations International
Limited,** 36403-B
640 Dixon Road,
Rexdale, Ontario M9W 1J1,

applies for a public vehicle operating licence, as follows:

"For the carriage of passengers who have had or will have an immediately prior or subsequent move by air between the Lester B. Pearson International Airport on the one hand and the Triumph Sheraton Hotel owned and operated by York-Hannover Hotels Ltd. and the Ramada 400/401 Hotel owned and operated by Captain Developments Limited both in Metropolitan Toronto on the other hand.

PROVIDED the licensee be restricted to four public vehicles with a maximum seating capacity of 11 passengers exclusive of the driver and one public vehicle with a maximum seating capacity of 20 passengers exclusive of the driver.

PROVIDED FURTHER that charter privileges be prohibited".

S & B Lax Enterprises Inc., 33631-A
2451 Exeter Crescent,
Burlington, Ontario L7P 1X5,

applies for an extension to Class 'D' public commercial vehicle operating licence No. D-4930, as follows:

"For the carriage of wrecked, disabled or broken down motor vehicles, between points in that portion of Ontario, on and south of King's Highway No. 17, between Mattawa and Massey and including the Regional Municipality of Sudbury and the City of North Bay.

PROVIDED the licensee be restricted to Tilt-N-Load equipment only.

PROVIDED FURTHER that for the purpose of this licence Tilt-N-Load equipment be defined as a tilting, sliding platform vehicle, operated by a separate hydraulic system using a cable or winch operated mechanism".

Rainy Lake Diversified, Inc., 36700
o/a Voyageur Charter Coach,
Rt. 9, Box 362,
International Falls, Minnesota
56649 U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from points in the United States of America, from the international boundary to points in Ontario and from such points on the same chartered trip, without pick-up or discharge of passengers in Ontario, to point of origin.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC-170806, dated January 27, 1984, filed with the Ontario Highway Transport Board".

Gordon H. Duncan Limited, 20323-C
Main Street,
Cobden, Ontario K0J 1K0,

applies for a public vehicle operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons, from Cobden".

Transport L'Epiphanie Inc., 36688
26 Des Sulpiciens,
L'Epiphanie, Quebec K0K 1J0,

applies for an extra-provincial operating licence, as follows:

"For the carriage of building sheds for E. Riopel Inc., from its installations at L'Epiphanie in the Province of Quebec from the Ontario-Quebec border, to points in Ontario and for the return of rejected shipments.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Quebec Transport Commission No. 9-M-300042-135-S, dated April 4, 1984, filed with the Ontario Highway Transport Board".

Ted Trakas, 11168-C
63 O'Connor Drive,
Toronto, Ontario M4K 2K3,

applies for a Class 'R' public commercial vehicle operating licence, as follows:

"For the carriage of:

- (a) sand, gravel, earth, crushed or uncut rock and stone, asphalt mixes, slag and rubble;
- (b) salt, calcium chloride, a mixture of sand and salt, and asphalt mixes directly to highway construction or maintenance sites or to stockpiles for further use on highway construction or maintenance sites".

These are the terms of Class 'R' public commercial vehicle operating licence No. R-0937 in the name of Milutin Vasic (deceased)".

Culbert Transportation Limited, 28321-D
P.O. Box 291,
Ear Falls, Ontario P0V 1T0,

applies for a public vehicle (school bus) operating licence, as follows:

"For the carriage of pupils for The Red Lake Board of Education between a place known as Perrault Falls, a place known as Goldpines, and a place known as Golden Fawn Resort and River Lake Road, all in the District of Kenora on the one hand and Highway 105 School and Spruce Street School, both in the Township of Ear Falls on the other hand, via Highways Nos. 105 and 657.

PROVIDED that charter privileges be restricted to school purposes and only for schools under the jurisdictions of the aforesaid School Board".

William David Adams, 17181-Q
R.R. #2,
Wroxeter, Ontario N0G 2X0,

applies for an extension to extra-provincial operating licence No. X-2312, as follows:

Delete the following:

"PROVIDED that any operating licence issued pursuant to this extension shall expire on the 1st day of May, 1984, unless prior to that date complementary authorities as issued by the Boards and/or Commissions of the Provinces of Manitoba, Saskatchewan and Alberta are filed with the Ontario Highway Transport Board".

And substitute therefor:

"PROVIDED that any operating licence issued pursuant to this extension shall expire on the 1st day of May, 1985 unless prior to that date complementary authorities as issued by the Motor Transport Board of the Province of Manitoba is filed with the Ontario Highway Transport Board".

Ligon Nationwide Inc., 21466-B
P.O. Box L,
Madisonville, Kentucky,
42431 U.S.A.,

applies for an extra-provincial operating licence, as follows:

"For the carriage of goods for Algoma Steel Corporation from its installations at Sault Ste. Marie to the international boundary at the St. Mary's River, for furtherance to points in the United States of America and by shipment from points in the United States of America from the international boundary at the St. Mary's River to the installations of Algoma Steel Corporation at Sault Ste. Marie, Ontario.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC-119777 Sub 523 dated November 4, 1981, filed with the Ontario Highway Transport Board".

Roadex Transport Ltd., 34701-K
24 Jellicoe Crescent,
Brampton, Ontario L6S 3H8,

applies for a Class 'A' public commercial vehicle operating licence, as follows:

"For the carriage of goods between Metropolitan Toronto, Mississauga, Brampton, Vaughan, Markham, Ajax and Pickering".

Dunlop Transport (1980) Limited, 16716-A17
Highway 21,
Petrolia, Ontario N0N 1R0,

applies for an extension to extra-provincial operating licence No. X-744, as follows:

"For the carriage of goods from points in the County of Lambton to the international boundary at the Detroit and St. Clair Rivers for furtherance to points in the United States of America and by shipment from points in the United States of America from the said boundaries to points in the County of Lambton".

Silverstone Trucking Limited, 36770
66 Millwick Avenue,
Weston, Ontario M9L 1Y3,

applies for the transfer of Class 'D' public commercial vehicle operating licence No. D-5205, now in the name of Armando Carreiro, 424 Maybank Avenue, Toronto, Ontario M6N 3S8.

Harry Stewart O'Brien, 35005-B
R.R. #2,
Ruthven, Ontario N0P 2G0,

applies for the transfer of Class 'R' public commercial vehicle operating licence No. R-2567, now in the name of W.H. "Bill" Marsden, Box 777, Harrow, Ontario N0R 1G0.

Elmer R. Poll Transport Limited, 18842-K
R.R. #1,
New Dundee, Ontario N0B 2E0,

applies for the transfer of Class 'R' public commercial vehicle operating licence No. R-0031 now in the name of 516871 Ontario Inc., 64 Forwell Road, Kitchener, Ontario N2B 3E8.

Edward E. Weiderhold and Larry D. Weiderhold, 36736
o/a Weiderhold Freight Lines,
5224 Whalen Street,
Elkton, Michigan,
48731 U.S.A.,

apply for an extra-provincial operating licence, as follows:

"For the carriage of fertilizer, fertilizer ingredients and materials, stone, farm products, grain, seed, feed, feed ingredients and supplies used in farming operations,

- (a) from points in the Province of Ontario to the international boundary at the St. Clair and Detroit Rivers for furtherance to points in the United States of America; and
- (b) by shipment from points in the United States of America, from the international boundary at the St. Clair and Detroit Rivers to points in the Province of Ontario.

PROVIDED that the licensee be restricted to dump-type equipment equipped with self-unloading slinger units; and

PROVIDED that this licence be operated only in conjunction with the complementary authority from the Interstate Commerce Commission MC 106893 Sub #20, dated February 18, 1983 filed with the Ontario Highway Transport Board".

C. A. Rankin Limited, 08634-S
P.O. Box 33,
Highgate, Ontario N0P 1T0,

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of goods in bulk in dump type equipment to or from points in the Counties of Kent, Essex, Lambton, Middlesex and Elgin. 'Goods in Bulk' shall mean such commodities as can be poured, scooped, forked, shovelled, pumped or blown, and which are generally of such size that they cannot be

handled piece by piece or individually wrapped, packaged or marked as to identification so as to distinguish one piece from another”.

J G Courier Services Ltd., 25892-D
57A Carson Street,
Toronto, Ontario M8W 3S1,

applies for an extension to Class ‘A’ public commercial vehicle operating licence No. A-846, as follows:

Delete the following:

“PROVIDED that there be no movement to or from the Toronto International Airport (Malton)”.

So that as amended the operating licence will read as follows:

“For the carriage of goods between Metropolitan Toronto, Mississauga, Brampton, Vaughan, Markham, Ajax and Pickering.

PROVIDED FURTHER that any shipment from one consignor to one consignee shall not exceed 91 kilograms in weight and no package or parcel or part of the 91 kilogram shipment shall exceed 23 kilograms, in weight”.

Verspeeten Cartage Limited, 15207-A44
67 Dalton Road,
Delhi, Ontario N4B 1B4,

applies for an extension to extra-provincial operating licence No. X-2478, as follows:

Delete the following:

“For the carriage of rye, in bulk, in dump-type vehicles, for Cargill Limited, from points in the Province of Ontario to the international boundary at the Niagara River, for furtherance to the City of Buffalo, in the State of New York, one of the United States of America”.

And substitute therefor:

“For the carriage of rye, in bulk, in dump-type vehicles, from points in the Province of Ontario to the international boundary at the Niagara River, for furtherance to the State of New York, one of the United States of America”.

Deloraine Transportation
Limited, 30223-D
57A Carson Street,
Toronto, Ontario M8W 3S1,

applies for an extension to Class ‘A’ public commercial vehicle operating licence No. A-790, as follows:

Delete the following:

“PROVIDED that there be no movement to or from the Toronto International Airport (Malton)”.

So that as amended, the relevant portion of the operating licence, will read as follows:

“For the carriage of goods between Metropolitan Toronto, Mississauga, Brampton, Vaughan, Markham, Ajax and Pickering”.

Jay’s Moving & Storage Ltd., 30915-A
1240-1st Avenue,
Regina, Saskatchewan S4N 0A1,

applies for an extra-provincial operating licence, as follows:

“For the carriage of:

- (i) uncrated new and used household furniture, appliances and personal effects of a householder that are part of the contents of the dwelling in which they are to be used and used vehicles, including used motorized snow vehicles, owned by the householder and being moved as part of and in conjunction with the movement of the said householder’s goods;
- (ii) uncrated used office, store and commercial establishment furniture, equipment and crated or uncrated stock in trade of the office, store and commercial establishment in which such furniture, equipment and stock in trade are to be used;
- (iii) uncrated new furniture and equipment that are to be part of the furnishings of offices, museums, hospitals, factories and public institutions in which they are to be used; and
- (iv) objects of art, displays, exhibits and computers and similar electronic devices that, because of their fragile or unusual nature or value require specialized handling;

that can be carried on a standard truck, trailer, or semi-trailer equipped with pads, belts, hooks, wardrobes and special packing containers and which do not require special loading devices other than powered tail-gates;

1. by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, the Northwest and Yukon Territories, from the Ontario-Manitoba border, to points in the Province of Ontario and from points in the Province of Ontario to the Ontario-Manitoba border, for furtherance to points in the said Provinces and Territories;
2. by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, the Northwest and the Yukon Territories, in transit through the United States of America, from the international boundary, to points in the Province of Ontario and from points in the Province of Ontario, to the international boundary, for furtherance to points in the said Provinces and Territories;
3. from points in Ontario, to the international boundary and the Ontario-Quebec border, for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland and by shipment from such points, from the said international boundary and the said border to points in Ontario;

for interprovincial traffic only.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Saskatchewan Highway Traffic Board No. 383, dated December 29, 1983 filed with the Ontario Highway Transport Board.

PROVIDED FURTHER that the licensee does not establish or maintain a place of business in other than the Province where it was located at the date of the issue of the first licence hereunder.

A place of business is any place at/or from which a person operates in or for the furtherance of the business of this licensee and for which that person receives remuneration of any kind, directly or indirectly, from the licensee”.

Service Movers Limited, 31831-A
4 Stevenson Road,
Winnipeg, Manitoba R3H 0H8,

applies for an extra-provincial operating licence, as follows:

“For the carriage of:

- (i) uncrated new and used household furniture, appliances and personal effects of a householder that are part of the contents of the dwelling in which they are to be used, and used vehicles, including used motorized snow vehicles, owned by the householder and being moved as part of and in conjunction with the movement of the said householder's goods;
- (ii) uncrated used office, store and commercial establishment furniture, equipment and crated or uncrated stock in trade of the office, store and commercial establishment in which such furniture, equipment and stock in trade are to be used;
- (iii) uncrated new furniture and equipment that are to be part of the furnishings of offices, museums, hospitals, factories and public institutions in which they are to be used; and
- (iv) objects of art, displays, exhibits and computers and similar electronic devices that, because of their fragile or unusual nature or value require specialized handling;

that can be carried on a standard truck, trailer or semi-trailer equipped with pads, belts, hooks, wardrobes and special packing containers and which do not require special loading devices other than powered tail-gates,

1. by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, the Northwest and Yukon Territories, from the Ontario-Manitoba border, to points in the Province of Ontario and from points in the Province of Ontario to the Ontario-Manitoba border, for furtherance to points in the said Provinces and Territories;
2. by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, the Northwest and the Yukon Territories, in transit through the United States of America, from the international boundary, to points in the Province of Ontario and from points in the Province of Ontario, to the international boundary, for furtherance to points in the said Provinces and Territories;
3. from points in Ontario, to the international boundary and the Ontario-Quebec border, for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland and by shipment from such points, from the said international boundary and the said border to points in Ontario;

for interprovincial traffic only.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Manitoba Motor Transport Board dated June 8, 1979, filed with the Ontario Highway Transport Board.

PROVIDED FURTHER that the licensee does not establish or maintain a place of business in other than the Province where it was located at the date of the issue of the first licence hereunder.

A place of business is any place at/or from which a person operates in or for the furtherance of the business of this licensee and for which that person receives remuneration of any kind, directly or indirectly, from the licensee”.

Guardian Cartage & Storage Ltd., 11320-D
4 Stevenson Road,
Winnipeg, Manitoba R3H 0H8,

applies for an extra-provincial operating licence, as follows:

“For the carriage of:

- (i) uncrated new and used household furniture, appliances and personal effects of a householder that are part of the contents of the dwelling in which they are to be used, and used vehicles, including used motorized snow vehicles, owned by the householder and being moved as part of and in conjunction with the movement of the said householder's goods;
- (ii) uncrated used office, store and commercial establishment furniture, equipment and crated or uncrated stock in trade of the office, store and commercial establishment in which such furniture, equipment and stock in trade are to be used;
- (iii) uncrated new furniture and equipment that are to be part of the furnishings of offices, museums, hospitals, factories and public institutions in which they are to be used; and
- (iv) objects of art, displays, exhibits and computers and similar electronic devices that, because of their fragile or unusual nature or value require specialized handling;

that can be carried on a standard truck, trailer or semi-trailer equipped with pads, belts, hooks, wardrobes and special packing containers and which do not require special loading devices other than powered tail-gates,

1. by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, the Northwest and Yukon Territories, from the Ontario-Manitoba border, to points in the Province of Ontario and from points in the Province of Ontario to the Ontario-Manitoba border, for furtherance to points in the said Provinces and Territories;
2. by shipment from points in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia, the Northwest and the Yukon Territories, in transit through the United States of America, from the international boundary, to points in the Province of Ontario and from points in the Province of Ontario to the international boundary, for furtherance to points in the said Provinces and Territories;

ince of Ontario, to the international boundary, for furtherance to points in the said Provinces and Territories;

3. from points in Ontario, to the international boundary and the Ontario-Quebec border, for furtherance to points in the Provinces of Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland and by shipment from such points, from the said international boundary and the said border to points in Ontario;

for interprovincial traffic only.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Manitoba Motor Transport Board dated October 31, 1977, filed with the Ontario Highway Transport Board.

PROVIDED FURTHER that the licensee does not establish or maintain a place of business in other than the Province where it was located at the date of the issue of the first licence hereunder.

A place of business is any place at/or from which a person operates in or for the furtherance of the business of this licensee and for which that person receives remuneration of any kind, directly or indirectly, from the licensee".

Ray Calvin Smith, 36779
o/a Ray Smith and Sons Trucking,
1109 Cardiff Court,
Sarnia, Ontario N7T 4B6,

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of culverts, water pipes, drainage pipes, construction equipment and road building equipment for Cope Construction Company, a division of J.G.W. Holdings (Sarnia) Inc.".

Depencier Transport Limited, 21213-L
R.R. #6,
Thamesville, Ontario N0P 2K0,

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of goods in bulk in dump or hopper type equipment to or from points in the Counties of Essex, Kent, Lambton, Elgin and Middlesex. 'Goods in Bulk' shall mean such commodities as can be poured, scooped, forked, shovelled, pumped or blown, and which are generally of such size that they cannot be handled piece by piece or individually wrapped, packaged or marked as to identification so as to distinguish one piece from another.

PROVIDED that there be no movements in tank type vehicles".

Edwin Anthony Green, 34313-A
Box 358
176 Saugeen Street,
Kincardine, Ontario N0G 2G0,

applies for a public vehicle operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a

public vehicle is hired for the transportation exclusively of a group of persons, from points in the County of Bruce".

Concorde Distribution Systems
Ltd., 34840-C
Box 2022,
Terminal "A",
London, Ontario N6A 4C6,

applies for an extension to Class 'D' public commercial vehicle operating licence No. D-808, as follows:

"For the carriage of goods to or from the installations of:

- (1) Gestetner Inc., at the City of London, and
- (2) Ellis & Howard Ltd., at the City of London.

PROVIDED that under this extension the licensee be restricted to commercial motor vehicles having a maximum gross weight of 6818 kilograms (15000).

PROVIDED FURTHER there be no movement of goods to or from Mississauga and/or Metropolitan Toronto".

Class Freight Lines Limited, 17382-O
915 Wilson Avenue,
Kitchener, Ontario N2C 1J1,

applies for an extension to Class 'A' public commercial vehicle operating licence No. A-76, as follows:

"For the carriage of goods:

- (1) Between Metropolitan Toronto, Mississauga, Brampton, Vaughan, Markham, Ajax, Pickering and the City of Hamilton and all points on Queen's Highway No. 2 up to and including the City of London;
- (2) Between Metropolitan Toronto, Mississauga, Brampton, Vaughan, Markham, Ajax, Pickering and the Cities of Kitchener, Waterloo, Cambridge, Guelph and the Township of North Dumfries;
- (3) Between the Cities of Kitchener, Waterloo, Cambridge, Guelph and the Township of North Dumfries and the City of Hamilton and all points on Queen's Highway No. 2 up to and including the City of London".

Parsons Moving & Storage Ltd., 29068-E
34416 Marshall Road,
Abbotsford, British Columbia V2S 5A5,

applies for an extension to extra-provincial operating licence No. X-2521, as follows:

Delete the following:

"PROVIDED FURTHER that any extension to extra-provincial operating licence X-2521 issued pursuant to this certificate shall expire on the 1st day of June, 1984, unless prior to that date complementary authorities as issued by the Boards and/or Commissions of the Provinces of Quebec, New Brunswick, Prince Edward Island and Nova Scotia and the Yukon and Northwest Territories are filed with the Ontario Highway Transport Board.

And substitute therefor:

"PROVIDED FURTHER that any extension to extra-provincial operating licence X-2521 issued pursuant to

this certificate shall expire on the 1st day of June, 1985, unless prior to that date complementary authorities as issued by the Boards and/or Commissions of the Provinces of Quebec, New Brunswick, Prince Edward Island and Nova Scotia and the Yukon and Northwest Territories are filed with the Ontario Highway Transport Board.

Scheffler's Four Seasons

Tours, Inc.,

P.O. Box 1341,

21 Sandra Court,

Saginaw, Michigan,

48605 U.S.A.,

36791

applies for an extra-provincial operating licence, as follows:

"For the carriage of passengers on a chartered trip, not being a scheduled service or a special trip, for which a public vehicle is hired for the transportation exclusively of a group of persons from points in the United States of America, from the international boundary to points in Ontario and from such points on the same chartered trip, without pick-up or discharge of passengers in Ontario to point of origin.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC-130245 Sub 4, dated August 3, 1983, filed with the Ontario Highway Transport Board".

Howard Katz,

191 Denison Street,

Markham, Ontario L3R 1B5,

36778

applies for a Class 'D' public commercial vehicle operating licence, as follows:

"For the carriage of parcels between the BPX installation at 191 Denison Street in Markham on the one hand and the Gray Coach Lines Ltd. BPX terminal at Front Street in Metropolitan Toronto on the other hand".

Chemical Leaman Tank

Lines, Inc.,

P.O. Box 200,

Lionville, Pennsylvania,

19353 U.S.A.,

10340-A43

applies for an extra-provincial operating licence, as follows:

"For the carriage of anhydrous ammonia for Cyanamid Canada Inc. in bulk in tank type vehicles

from points in Ontario to the international boundary at Sarnia for furtherance to points in the United States of America and by shipment from points in the United States of America from the international boundary to points in Ontario.

PROVIDED that any extra-provincial operating licence issued pursuant to this certificate be operated only in conjunction with the complementary authority as issued by the Interstate Commerce Commission of the United States of America No. MC 110525 Sub 1322F, dated June 22, 1981 filed with the Ontario Highway Transport Board".

C. I. DAVILA (MRS.),

(4657) 19

Secretary.

NOTICE

The following applications for certificates under the *Motor Vehicle Transport Act* (Canada), R.S.C. 1970, Chapter M-14 are published pursuant to Section 8, Regulation 716, R.R.O. 1980. Regulation 716 provides that the Board may dispose of these applications summarily if no objection is served and filed in the prescribed manner within twenty-nine days of this publication.

The following persons and/or companies apply for an extra-provincial operating licence (Class Y) authorizing the licensee to transport goods in transit only, in bond between points in the United States of America, as authorized thereby, moving in bond in transit through Ontario, between the international boundary at the Detroit or St. Clair Rivers on the one hand and the Niagara River on the other hand via specified highways:

C. Van Boxell Transportation, Inc., 35925-A

763 So. Oakwood Boulevard,

Detroit, Michigan,

48217 U.S.A.

C. I. DAVILA (MRS.),

(4658) 19

Secretary.

ERRATUM

Vide Gazette dated March 24th, 1984, on pages 1311-1312.

On page 1312 delete: Timmins—June 11, 1984.

Substitute: Timmins—June 5, 1984.

F. D'MELLO,

(4659) 19

Case Review/Information Officer.

Government Notices Respecting
Corporations
Certificates of Incorporation

NOTICE IS HEREBY GIVEN that a certificate of incorporation under the *Business Corporations Act*, has been endorsed.

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
A & W LOCKSMITH LIMITED	571528	April 13, 1984	Sarnia
A. CHIAROT GARAGE LIMITED	583811	April 16, 1984	Toronto
A.J. BOUCHARD TRUCKING LTD.	539331	April 12, 1984	Geraldton
A.S.T. TRAVEL LTD.	583749	April 16, 1984	Toronto
ACTION INDUSTRIAL PRODUCTS INC.	583946	April 18, 1984	Mississauga
ADVANCED SPRING INC.	583816	April 17, 1984	London
AIMES COMMUNICATIONS INC.	580990	April 18, 1984	Mississauga
AIN'T GOT MUCH INVESTMENTS LTD.	583941	April 18, 1984	Mississauga
AL-TEC ENVIRONMENTAL CONTROL SERVICES CORP.	571535	April 13, 1984	Bayfield
ALPHA DOUBLE FIVE HOLDINGS INC.	583928	April 18, 1984	Scarborough
AMPERIF CANADA LTD.	583884	April 17, 1984	Markham
AMTELECOM GROUP INC.	571534	April 13, 1984	Aylmer
ANGELO VASSOS INVESTMENTS LTD.	583822	April 17, 1984	Mississauga
APPLE TRUCKING COMPANY INC.	583887	April 17, 1984	Toronto
ARCHAMBAULT CONTRACTING INC.	538780	April 17, 1984	Stoney Point
ASPENWOOD TREE SERVICE LTD.	581948	April 13, 1984	Ajax
ATLANTIS STEEL ERECTORS INC.	583958	April 18, 1984	Downsview
B. & T. AIRWAY ENGINEERING INC.	583956	April 18, 1984	Brampton
B.J. PHOTO LABS LIMITED	583152	April 12, 1984	Kitchener
BEERLA FARMING STATE LIMITED	583914	April 18, 1984	Toronto
BEL-REW FOREST PRODUCTS LIMITED	583877	April 17, 1984	Timmins
BELLISSIMA HAIR SALON LTD.	583776	April 16, 1984	Willowdale
BENLI HOLDINGS LIMITED	583824	April 17, 1984	Toronto
BERG FURNITURE OF CANADA LTD.	583772	April 16, 1984	Downsview
BEST BOTTLES INC	583175	April 16, 1984	Stratford
BILL & LAUREEN INVESTMENTS INC.	561743	April 17, 1984	Gloucester
BISHOP FOOD SERVICES LTD.	583734	April 13, 1984	Burlington
BORDEN BOOTHBY CONSTRUCTION INC. ..	581884	April 16, 1984	Dwight
BOTLIN MARKETING INC.	583860	April 17, 1984	Toronto
BRADY'S MOVING & STORAGE LTD.	571542	April 16, 1984	London
BRIARCLIFFE DEVELOPMENTS LTD.	561742	April 16, 1984	Ottawa
BROWN DOORE COMMUNICATIONS LTD. ..	583905	April 18, 1984	Toronto
BROWN WINDOW CORPORATION	583951	April 18, 1984	Toronto
BRUMAN LEASING LTD.	583164	April 16, 1984	North Bay
BUDAPEST TRAVEL LIMITED	571543	April 17, 1984	London
C. H. PAYNE MARINE CONSULTANTS INC. .	583120	April 12, 1984	Gloucester
C. L. P. SALES INC.	583832	April 17, 1984	Waterloo
C.D.C. FARMS INC.	538776	April 13, 1984	Windsor
C.S.I. CHEMICALS INC.	583823	April 17, 1984	St. Catharines
C&E (MASONVILLE PLACE) LIMITED	571524	April 12, 1984	London
CAMPBELL & SONS STEEL SETTERS INC. ...	583779	April 16, 1984	Sharbot Lake
CAN-AM ROADLINK LIMITED	583934	April 18, 1984	Toronto
CANADIAN GINSENG GARDENS LTD.	583149	April 12, 1984	Windham Centre
CANADIAN GOLDEN HARVESTS AGRICULTURAL SERVICES INC.	548199	April 17, 1984	Carleton Place
CANADIAN INDUSTRIAL FABRICS LTD.	583812	April 16, 1984	Toronto
CANCORP FINANCIAL SERVICES LTD.	561741	April 16, 1984	Ottawa
CANHAM INTERIORS LIMITED	583898	April 18, 1984	West Hill
CANRAMSAN ENTERPRISES INC.	583875	April 17, 1984	Mississauga
CARDEN CONTRACTORS LTD.	583965	April 18, 1984	Sebright
CARTEL LTD.	571523	April 12, 1984	London
CASTLE OFFICE CONSULTANTS INC.	583849	April 17, 1984	Toronto

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
CELLTRONIX COMMUNICATIONS LIMITED	583925	April 18, 1984	Brampton
CELUKO CHEMICAL INDUSTRIES LIMITED .	583801	April 16, 1984	Weston
CENTRO HARDWARE LTD.	583771	April 16, 1984	Woodbridge
CHRISTAM CONSULTING INCORPORATED ..	583835	April 17, 1984	Scarborough
CODE'S MILL LTD.	561734	April 12, 1984	Perth
COLQUHOUN AUDIO LABORATORIES LIMITED	583845	April 17, 1984	London
COMM-DUSTRIAL DOOR SERVICES INC.	583793	April 16, 1984	Thornhill
COMPUTARE FINANCIAL SERVICE INC.	583853	April 17, 1984	Toronto
CORONATION SECURITIES INC.	583790	April 16, 1984	Milton
COUNTRYSIDE DONUTS LTD.	583899	April 18, 1984	Dunnville
COX & ASSOCIATES INC.	564139	April 12, 1984	Peterborough
CRUISE HOLDINGS INC.	583858	April 17, 1984	Toronto
DELTA EQUITY AND FUNDING CORPORATION	583949	April 18, 1984	Toronto
DEN & KAY'S GENERAL TRUCKING INC. ...	583885	April 17, 1984	White River
DEREK SESTON FAMILY INVESTMENTS LIMITED	583923	April 18, 1984	Islington
DEVONPORT DEVELOPMENTS INC.	583841	April 17, 1984	Toronto
DIASPER INCORPORATED	583786	April 16, 1984	Toronto
DICK MARSHALL FUELS LTD.	583904	April 18, 1984	Aurora
DIN-A-DEM GALAXY LTD.	583960	April 18, 1984	Scarborough
DORRANCE-MULLIN INSURANCE BROKERS INC.	571558	April 17, 1984	London
DRADOG HOLDINGS LTD.	561746	April 17, 1984	Gloucester
DUSOME'S GARAGE PENETANG LIMITED ...	583943	April 18, 1984	Penetanguishene
E.S.I. FINANCIAL PLANNERS INC.	561739	April 13, 1984	Ottawa
E.S.I. SHELTERED INVESTMENTS CORP. ...	561740	April 13, 1984	Ottawa
EAST IMPERIAL ELECTRICAL APPLIANCES SERVICE LTD.	583736	April 13, 1984	Toronto
EMERALD STAR DEVELOPMENT CORPORATION	583797	April 16, 1984	Toronto
ENZO TILE CONTRACTORS LTD.	583770	April 16, 1984	Rexdale
ERNIE MILLER LIMITED	130057	Dec. 30, 1963	
ESPAM INVESTMENTS LIMITED	583963	April 18, 1984	Mississauga
EXCAN TRADING INC	583145	April 12, 1984	Kitchener
F&H ALI ENTERPRISES LTD.	583774	April 16, 1984	Toronto
FASTNET INC	583900	April 18, 1984	Burlington
FEDERAL PACKAGING SYSTEMS INC.	583798	April 16, 1984	Rexdale
FELTRACO CONSTRUCTION LTD.	579715	April 13, 1984	Timmins
FINE GRAPHICS LTD.	583810	April 16, 1984	Toronto
G. & A. RAPONE HOLDINGS INC.	583864	April 17, 1984	Markham
G.A. ROOFING & CONTRACTING LTD.	583118	April 11, 1984	Mississauga
G.V.D. FARM SUPPLIES LTD.	583836	April 17, 1984	Enniskillen
GEOFF MYERS ENTERPRISES LTD.	583967	April 18, 1984	Toronto
GILLETT MAINTENANCE LTD.	583794	April 16, 1984	Oshawa
GLUSKIN SHEFF & ASSOCIATES INC.	583848	April 17, 1984	Toronto
GODDARD-KAMIN INC.	583176	April 16, 1984	Willowdale
GOLDEN-EYE ENTERPRISES INC.	571531	April 13, 1984	Toronto
GOLF VILLAGE LTD.	583784	April 16, 1984	Mount Hope
GREY HOUSE LTD.	583837	April 17, 1984	Oshawa
GRIFCAM INVESTMENTS INC.	583741	April 16, 1984	North York
GULF STEEL CORP.	583818	April 17, 1984	Mississauga
HALNOR INVESTMENTS LIMITED	583178	April 16, 1984	Ancaster
HASNAS CAPITAL INC.	583792	April 16, 1984	Hamilton
HASTINGS TELECOM LTD.	583153	April 12, 1984	Hastings
HAZELMERE & FOWLERS INC.	583892	April 18, 1984	Toronto
HERON HOMES (AURORA) LTD.	583929	April 18, 1984	Toronto
HERON HOMES (MAPLE RIDGE) LTD.	583930	April 18, 1984	Toronto
HILLHURST CONSULTANTS INC.	583808	April 16, 1984	Toronto
HONO MANUFACTURING LTD.	583966	April 18, 1984	Chatham
HOOPLE TRAVEL SERVICES LIMITED	583169	April 16, 1984	St. Catharines

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
HORST THIMMIG DEVELOPMENTS INC.	583940	April 18, 1984	Sault Ste. Marie
HOUCK ASSOCIATES INC.	583893	April 18, 1984	Toronto
I.J.K. ELLIOTT TECHNICAL SERVICES INC. .	583830	April 17, 1984	Timmins
INCORPORATED BOBJAK	583878	April 17, 1984	Toronto
INFANTI AUTO REPAIR LTD.	583748	April 16, 1984	Willowdale
INNERFORCE SECURITY & INVESTIGATION LIMITED	583745	April 16, 1984	Mississauga
INNINGS TELECOM INC.	583889	April 18, 1984	Concord
INT'L KEY HOLDERS INC.	583838	April 17, 1984	Fort Erie
INTERNATIONAL ROBOTIC MANUFACTURING LTD.	538777	April 13, 1984	Windsor
IROQUOIS FALLS LUMBER COMPANY LTD. .	583170	April 16, 1984	Iroquois Falls
J. R. LIQUIDATORS INCORPORATED	583915	April 18, 1984	Cambridge
J.P. CARTAGE CO. LTD.	583873	April 17, 1984	Weston
JAMES W. ROBINSON FAMILY INVESTMENTS LIMITED	583921	April 18, 1984	Toronto
JASMICK AGENCIES INC.	583861	April 17, 1984	King
JB&JFP INVESTMENTS LIMITED	583891	April 18, 1984	Toronto
JERSIL ENTERPRISES INC.	583901	April 18, 1984	Willowdale
JOEL REITMAN FILM PRODUCTIONS INC. .	583785	April 16, 1984	Toronto
JOHN E. KITAY HOLDINGS LTD.	583883	April 17, 1984	Markham
K & D HANGARS INC.	583143	April 12, 1984	Burlington
K-W AIR SHOWS INC.	583147	April 12, 1984	Breslau
KALEIDOSCOPE AUDIO VISUAL PRODUCTIONS INC.	583764	April 16, 1984	Mississauga
KALKAN CONSTRUCTION & HOME SERVICES LTD.	583750	April 16, 1984	King City
KANKIM LTD.	583755	April 16, 1984	Mississauga
KAREN'S CARD SHOP INC.	583918	April 18, 1984	Toronto
KEITH BRISCOE HOLDINGS LIMITED	583181	April 16, 1984	Renfrew
KIM-CON INC.	583139	April 12, 1984	Kemptville
KINDERBRICKS INC.	583751	April 16, 1984	Willowdale
KONGSBERG CANADA LTD.	583746	April 16, 1984	Toronto
KRAFTSTER MANUFACTURING INC.	583922	April 18, 1984	Mississauga
KURMARKT PHARMA LTD.	583825	April 17, 1984	Toronto
LAKEFIELD HEALTH PRODUCTS CORP.	571556	April 17, 1984	Hamilton
LANG DRYWALL AND ACOUSTICS LIMITED	581973	April 16, 1984	Hepworth
LANVERDEEN CONSTRUCTION LTD.	583174	April 16, 1984	Weston
LAURON INTERNATIONAL INC.	583820	April 17, 1984	Toronto
LONDON CHARCOBOB INC.	571537	April 16, 1984	London
LYDFORD ESTATES INC.	583840	April 17, 1984	Toronto
M. G. SARGEANT ENGINEERING LIMITED .	571527	April 13, 1984	St. Thomas
M. SNOWDON CONSTRUCTION LTD.	583740	April 16, 1984	Baileboro
M.E. HODGINS SERVICES INC.	583766	April 16, 1984	Willowdale
MAINLINE TOOL & DIE INCORPORATED ...	583165	April 16, 1984	Oakville
MALTON PROCESS EQUIPMENT INC.	583910	April 18, 1984	Mississauga
MAXIM GROUP GENERAL CONTRACTING LIMITED	583773	April 16, 1984	Richmond Hill
MCCLEAN & ASSOCIATES INC.	583129	April 18, 1984	Mississauga
MDM REPRODUCTIONS LTD.	548197	April 13, 1984	Kingston
MERANGER ENTERPRISES LTD.	561745	April 17, 1984	Orleans
METALTECH FABRICATING INC.	583781	April 16, 1984	Mississauga
MICK WILLIAMS TRUCKING LTD.	583760	April 16, 1984	Weston
MICROSEARCH INCORPORATED	583881	April 17, 1984	Rexdale
MINTAGE FINANCIAL CORPORATION	583948	April 18, 1984	Toronto
MOFFATT SCRAP IRON & METAL INC.	583903	April 18, 1984	Milton
MOVIE SHACK LTD.	539335	April 13, 1984	Thunder Bay
MUBA HOLDINGS LTD.	583148	April 12, 1984	Islington
MURRAY HALLS REAL ESTATE LIMITED ...	583803	April 16, 1984	Guelph
NAITHEN JOSEPH LOGGING LTD.	577782	April 17, 1984	Goulais River
NAPANEE MARINE INC.	548198	April 16, 1984	Napanee
NATIONAL FURNITURE DISTRIBUTORS LTD.	583826	April 17, 1984	Toronto

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
NAUSET CREEK LIMITED	583742	April 16, 1984	North York
NEW NORTH GREENHOUSES INC.	583172	April 16, 1984	Sault Ste. Marie
NIOLETTI CONSULTANT SERVICES & MFG LTD	538773	April 12, 1984	Windsor
NITE ROCK NETWORK INC.	583119	April 11, 1984	Toronto
NORMANDY SEARCHING LIMITED	583890	April 18, 1984	Toronto
NORTH HALTON TOOL & DIE LTD.	583006	April 16, 1984	Limehouse
NORTH NORWICH TELEPHONES LTD.	571536	April 16, 1984	Burgessville
NORTH TOWN VENTILATION & SHEET METAL LTD.	583954	April 18, 1984	Downsview
NORTHGREEN ESTATES INC.	583842	April 17, 1984	Toronto
NORTHWAY GARDENERS LTD.	583136	April 12, 1984	Rosseau
NORTHWESTERN ONTARIO DENTAL SERVICES INC.	539333	April 12, 1984	Thunder Bay
O & P FURNITURE INC.	583827	April 17, 1984	Toronto
O'DONNELL INSURANCE BROKERS INC.	583813	April 17, 1984	Scarborough
OFFICE COMPUTER SYSTEMS LTD.	583806	April 16, 1984	Toronto
OLYMPUS ENTERPRISES INC.	571529	April 13, 1984	Toronto
OSTAPOVICH FAMILY HOLDINGS LIMITED ..	583863	April 17, 1984	Markham
OVERHEIGHTS INVESTMENTS INC.	583788	April 16, 1984	Cambridge
P.O.S. DATA COM SYSTEMS LIMITED	583957	April 18, 1984	Willowdale
PALM MANAGEMENT (OTTAWA) INC.	561729	April 12, 1984	Ottawa
PALMER HOUSE RESTORATION INC.	583735	April 13, 1984	Oakville
PAPA PICCOLINO'S PIZZA INC.	539334	April 13, 1984	Thunder Bay
PARK TOWERS REALTY INC.	583911	April 18, 1984	Toronto
PAUDASH LAKE MARINA LTD.	583908	April 18, 1984	Bancroft
PENADA HOLDINGS LIMITED	583819	April 17, 1984	Toronto
PETROLUX CATERING SERVICE LTD.	583947	April 18, 1984	Toronto
PINE WESTON LAND INC.	583852	April 17, 1984	Mississauga
PIPERTOWN HOLDINGS INC.	583844	April 17, 1984	Toronto
PIRLITOR MACHINE & TOOL LIMITED	583757	April 16, 1984	Downsview
PIZZACATO ENTERPRISES INC.	571530	April 13, 1984	Toronto
POWERSCREEN RENTAL SYSTEMS LIMITED	583070	April 16, 1984	Ajax
PRO FAB POOL AND DECK KITS INC	583759	April 16, 1984	Grimsby
PWYW TRADING LTD.	583800	April 17, 1984	Mississauga
QUARTHAM INVESTMENT GROUP LIMITED ..	583961	April 18, 1984	Mississauga
R. BABLUCK SHEET METAL LTD.	561736	April 13, 1984	Carleton Place
R. F. SHALLA & SON LTD.	583964	April 18, 1984	Pembroke
R.C. DOOR LIMITED	583171	April 16, 1984	Kitchener
REGAN INDUSTRIES LTD.	583920	April 18, 1984	Toronto
RICHARD POLIQUIN TRUCKING LIMITED ..	538778	April 13, 1984	Windsor
ROBELY INCORPORATED	583737	April 16, 1984	Willowdale
ROBERT C. LOEBSACK GENERAL CONTRACTORS INC.	583146	April 12, 1984	Kitchener
S & P DELIVERY LIMITED	583777	April 16, 1984	Toronto
S KARTAR H B T J DHALIWALLS (GULAB) LTD.	583950	April 18, 1984	Tillsonburg
S. G. MLOT & ASSOCIATES LTD.	510573	April 12, 1984	Sudbury
SAUDIA INVESTMENT GROUP LIMITED	583799	April 16, 1984	Toronto
SHAMROCK VITAMINS INC.	583778	April 16, 1984	Waterloo
SHEROS INVESTMENTS LIMITED	583962	April 18, 1984	Mississauga
SHERWAY CONSTRUCTION LIMITED	583843	April 17, 1984	Toronto
SHOREWAY LEASING CORPORATION	583924	April 18, 1984	Mississauga
SNAPS HOLDING INC.	583739	April 16, 1984	Markham
SONATEX LAMINATING CANADA INC.	583142	April 12, 1984	Hamilton
SPANSKI ENTERPRISES INC.	583839	April 17, 1984	Mississauga
SPEAK UP PRODUCTIONS INC.	583847	April 17, 1984	Willowdale
SPRINGFEST FASHIONS INC.	571521	April 12, 1984	London
STEEDSON HOTEL CORPORATION LIMITED ..	583744	April 16, 1984	Toronto
STODDART LANDSCAPING LTD.	583758	April 16, 1984	North York
SUGERI MICRO COMPUTER SALES, INC.	583137	April 12, 1984	Mississauga

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
SUPREME LIMOUSINE SERVICE LTD.	583919	April 18, 1984	Willowdale
SWEET TOUCH PASTRIES INC.	583166	April 16, 1984	Oakville
TANURB DEVELOPMENTS INC.	583855	April 17, 1984	Toronto
TESCO ELECTRIC SUPPLY LTD.	571525	April 12, 1984	London
TEXON CORPORATION	583927	April 18, 1984	Willowdale
THE BAG FACTORY INC.	583807	April 16, 1984	Thornhill
THE BUG-BIN INC.	571520	April 12, 1984	London
THE CANADIAN RESEARCH AND DEVELOPMENT CORPORATION	583874	April 17, 1984	Toronto
THORNTRIDGE DOWNS CONSTRUCTION CO. LTD.	583906	April 18, 1984	Willowdale
TIGAR CONSTRUCTION LIMITED	583833	April 17, 1984	London
TOSA HOTEL CORPORATION	583846	April 17, 1984	Stratford
TOTAL CONTAINMENT INTERNATIONAL INC.	583782	April 16, 1984	Markham
TRADERS NOVA LTD.	583932	April 18, 1984	Toronto
TSICOL COMPUTING TECHNOLOGY INC. ...	583944	April 18, 1984	Toronto
TWO FIFTEEN BELFIELD INC.	583959	April 18, 1984	Rexdale
UNIVERSAL EXPEDITORS LTD.	571522	April 12, 1984	London
UNIVERSITY INSURANCE BROKERS CANADA INC.	583128	April 18, 1984	Mississauga
VERRUECKT CORPORATION	583081	April 16, 1984	Kitchener
VISIBLE INTELLIGENCE CORPORATION	583738	April 16, 1984	Don Mills
WEBDENSCO LIMITED	583109	April 11, 1984	Orangeville
WESTRIKE HOLDINGS LIMITED	583805	April 16, 1984	Thornhill
WILMOR PERSONNEL PLACEMENT AND CONSULTANT SERVICES INC.	583804	April 16, 1984	Paris
WINDSOR DOOR CONTROLS LIMITED	571540	April 16, 1984	London
WOODLAWN CAR AND TRUCK RENTAL INC.	583886	April 17, 1984	Guelph
WRAPPER DAPPER MANUFACTURING CO. INC.	583909	April 18, 1984	Halton Hills
WYNFORD FASHIONS INC.	583854	April 17, 1984	Don Mills
YONGEHURST MAY DEVELOPMENTS LIMITED	583765	April 16, 1984	Richmond Hill
YORK RIDGE HOMES LIMITED	583762	April 16, 1984	Toronto
290 LAWRENCE DEVELOPMENTS INC.	583935	April 18, 1984	Toronto
510574 ONTARIO LIMITED	510574	April 12, 1984	Val Therese
510575 ONTARIO INC.	510575	April 13, 1984	North Bay
510576 ONTARIO LIMITED	510576	April 16, 1984	Espanola
510577 ONTARIO LTD.	510577	April 17, 1984	Sudbury
538774 ONTARIO LIMITED	538774	April 12, 1984	Windsor
538775 ONTARIO INC.	538775	April 13, 1984	Leamington
538779 ONTARIO INC.	538779	April 16, 1984	Windsor
539330 ONTARIO LTD.	539330	April 12, 1984	Geraldton
539332 ONTARIO LTD.	539332	April 12, 1984	Schreiber
539336 ONTARIO LTD.	539336	April 16, 1984	Marathon
539337 ONTARIO INC.	539337	April 17, 1984	Murillo
539338 ONTARIO LIMITED	539338	April 17, 1984	Marathon
539339 ONTARIO LIMITED	539339	April 17, 1984	Geraldton
548196 ONTARIO INC.	548196	April 13, 1984	Tamworth
561730 ONTARIO LIMITED	561730	April 12, 1984	Cornwall
561731 ONTARIO LIMITED	561731	April 12, 1984	Richmond
561732 ONTARIO LIMITED	561732	April 12, 1984	Greely
561733 ONTARIO LIMITED	561733	April 12, 1984	Greely
561735 ONTARIO LIMITED	561735	April 13, 1984	Kanata
561737 ONTARIO LIMITED	561737	April 13, 1984	Ottawa
561738 ONTARIO INC.	561738	April 13, 1984	Cornwall
561744 ONTARIO LIMITED	561744	April 17, 1984	Ottawa
564141 ONTARIO LIMITED	564141	April 16, 1984	Peterborough
565 MURPHY ROAD INC.	583821	April 17, 1984	Toronto
571526 ONTARIO LIMITED	571526	April 13, 1984	London

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
571532 ONTARIO LIMITED	571532	April 13, 1984	London
571533 ONTARIO LIMITED	571533	April 13, 1984	Aylmer
571538 ONTARIO LIMITED	571538	April 16, 1984	Bothwell
571539 ONTARIO LIMITED	571539	April 16, 1984	Bothwell
571541 ONTARIO INC.	571541	April 16, 1984	Ilderton
571544 ONTARIO INC.	571544	April 17, 1984	London
571545 ONTARIO INC.	571545	April 17, 1984	London
571546 ONTARIO CORPORATION	571546	April 17, 1984	London
571547 ONTARIO CORPORATION	571547	April 17, 1984	London
571548 ONTARIO CORPORATION	571548	April 17, 1984	London
571549 ONTARIO CORPORATION	571549	April 17, 1984	London
571550 ONTARIO CORPORATION	571550	April 17, 1984	London
571551 ONTARIO LIMITED	571551	April 17, 1984	London
571552 ONTARIO LIMITED	571552	April 17, 1984	London
571553 ONTARIO LIMITED	571553	April 17, 1984	London
571554 ONTARIO LIMITED	571554	April 17, 1984	London
571555 ONTARIO LIMITED	571555	April 17, 1984	London
571557 ONTARIO INC.	571557	April 17, 1984	London
581980 ONTARIO LIMITED	581980	April 16, 1984	Clarendon Station
583071 ONTARIO INC.	583071	April 17, 1984	Norwich
583095 ONTARIO INC.	583095	April 17, 1984	Wallaceburg
583125 ONTARIO INC.	583125	April 13, 1984	Chatham
583130 ONTARIO LIMITED	583130	April 13, 1984	Keswick
583131 ONTARIO INC.	583131	April 13, 1984	North Bay
583132 ONTARIO LIMITED	583132	April 13, 1984	Brampton
583133 ONTARIO LIMITED	583133	April 16, 1984	Fonthill
583138 ONTARIO LIMITED	583138	April 12, 1984	Bowmanville
583140 ONTARIO LTD.	583140	April 12, 1984	Fort Erie
583141 ONTARIO LTD.	583141	April 12, 1984	Fort Erie
583144 ONTARIO LIMITED	583144	April 12, 1984	Hamilton
583154 ONTARIO INC.	583154	April 12, 1984	Brockville
583167 ONTARIO INC.	583167	April 16, 1984	Mississauga
583168 ONTARIO INC.	583168	April 16, 1984	Ajax
583177 ONTARIO INC.	583177	April 16, 1984	Manitowaning
583179 ONTARIO LIMITED	583179	April 16, 1984	Cambridge
583180 ONTARIO LIMITED	583180	April 16, 1984	St. Catharines
583572 ONTARIO LIMITED	583572	April 16, 1984	Bracebridge
583743 ONTARIO INC.	583743	April 16, 1984	Hamilton
583752 ONTARIO LIMITED	583752	April 16, 1984	Toronto
583753 ONTARIO LIMITED	583753	April 16, 1984	Toronto
583754 ONTARIO LIMITED	583754	April 16, 1984	Toronto
583756 ONTARIO LIMITED	583756	April 16, 1984	Weston
583761 ONTARIO INC.	583761	April 16, 1984	Toronto
583763 ONTARIO LIMITED	583763	April 16, 1984	Kitchener
583767 ONTARIO LIMITED	583767	April 16, 1984	Pickering
583768 ONTARIO INC.	583768	April 16, 1984	Sault Ste. Marie
583769 ONTARIO INC.	583769	April 16, 1984	Sault Ste. Marie
583775 ONTARIO INC.	583775	April 16, 1984	Agincourt
583780 ONTARIO INC.	583780	April 16, 1984	Belleville
583783 ONTARIO INC.	583783	April 16, 1984	Hamilton
583787 ONTARIO LIMITED	583787	April 16, 1984	Scarborough
583789 ONTARIO LIMITED	583789	April 16, 1984	Cambridge
583791 ONTARIO LIMITED	583791	April 16, 1984	Hamilton
583795 ONTARIO LIMITED	583795	April 16, 1984	Concord
583796 ONTARIO LIMITED	583796	April 16, 1984	Mississauga
583802 ONTARIO LIMITED	583802	April 16, 1984	Fergus
583809 ONTARIO LTD.	583809	April 16, 1984	Toronto
583814 ONTARIO INC.	583814	April 16, 1984	Niagara Falls
583815 ONTARIO LIMITED	583815	April 16, 1984	Fort Frances
583817 ONTARIO INC.	583817	April 17, 1984	Mississauga
583828 ONTARIO LIMITED	583828	April 17, 1984	Toronto
583829 ONTARIO LIMITED	583829	April 17, 1984	Toronto

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Registered Office
583831 ONTARIO LTD.	583831	April 17, 1984	Mississauga
583834 ONTARIO LIMITED	583834	April 17, 1984	Scarborough
583850 ONTARIO LIMITED	583850	April 17, 1984	Markham
583851 ONTARIO INC.	583851	April 17, 1984	Toronto
583856 ONTARIO LIMITED	583856	April 17, 1984	Toronto
583857 ONTARIO LIMITED	583857	April 17, 1984	Toronto
583859 ONTARIO INC.	583859	April 17, 1984	Mississauga
583862 ONTARIO LIMITED	583862	April 17, 1984	Toronto
583865 ONTARIO LIMITED	583865	April 17, 1984	Thornhill
583866 ONTARIO LIMITED	583866	April 17, 1984	Thornhill
583867 ONTARIO LIMITED	583867	April 17, 1984	Thornhill
583868 ONTARIO LIMITED	583868	April 17, 1984	Thornhill
583869 ONTARIO LIMITED	583869	April 17, 1984	Thornhill
583870 ONTARIO LIMITED	583870	April 17, 1984	Toronto
583871 ONTARIO INC.	583871	April 17, 1984	Toronto
583872 ONTARIO INC.	583872	April 17, 1984	Toronto
583876 ONTARIO LIMITED	583876	April 17, 1984	Thornhill
583879 ONTARIO LIMITED	583879	April 17, 1984	Iroquois Falls
583880 ONTARIO INC.	583880	April 17, 1984	Stoney Creek
583882 ONTARIO LIMITED	583882	April 17, 1984	Willowdale
583888 ONTARIO INC	583888	April 17, 1984	Toronto
583894 ONTARIO LIMITED	583894	April 18, 1984	Belleville
583895 ONTARIO LIMITED	583895	April 18, 1984	Belleville
583896 ONTARIO LIMITED	583896	April 18, 1984	Belleville
583897 ONTARIO LIMITED	583897	April 18, 1984	Scarborough
583902 ONTARIO LIMITED	583902	April 18, 1984	Toronto
583907 ONTARIO INC.	583907	April 18, 1984	Toronto
583912 ONTARIO LIMITED	583912	April 18, 1984	Ayton
583913 ONTARIO LIMITED	583913	April 18, 1984	Oakville
583916 ONTARIO LTD.	583916	April 18, 1984	Barrie
583917 ONTARIO LTD.	583917	April 18, 1984	Mississauga
583931 ONTARIO LIMITED	583931	April 18, 1984	Toronto
583933 ONTARIO LIMITED	583933	April 18, 1984	Whitby
583936 ONTARIO LIMITED	583936	April 18, 1984	Mississauga
583937 ONTARIO LIMITED	583937	April 18, 1984	Thornhill
583938 ONTARIO LIMITED	583938	April 18, 1984	Willowdale
583939 ONTARIO LTD.	583939	April 18, 1984	West Hill
583942 ONTARIO INC.	583942	April 18, 1984	Mississauga
583945 ONTARIO INC.	583945	April 18, 1984	Dundas
583952 ONTARIO LIMITED	583952	April 18, 1984	Toronto
583953 ONTARIO LIMITED	583953	April 18, 1984	Toronto
583955 ONTARIO LIMITED	583955	April 18, 1984	Rexdale
583968 ONTARIO LIMITED	583968	April 18, 1984	Toronto
583969 ONTARIO LIMITED	583969	April 18, 1984	Toronto

E. J. WELLS, LL.B.,
Director, Companies Branch.

Certificates of Incorporation Issued

NOTICE IS HEREBY GIVEN that, under the *Co-operative Corporations Act*, a Certificate of Incorporation has been issued to:

Name of Corporation	Date of Incorporation	Head Office
THE APPLETON FOOD CO-OPERATIVE INCORPORATED	April 17, 1984	Carleton Place
ST. ANDREW'S CO-OPERATIVE PLAYSCHOOL INC.	April 16, 1984	Markham

T. T. ROBINS,
Director, Credit Unions and Co-operatives
Services Branch, Financial Institutions Division.

Letters Patent of Incorporation Issued

NOTICE IS HEREBY GIVEN that, under the *Corporations Act*, Letters Patent have been issued to:

Name of Corporation	Ontario Corp. No.	Date of Incorporation	Head Office
THE CITY OF TIMMINS NON-PROFIT HOUSING CORPORATION (without share capital)	581900	April 13, 1984	Timmins
FEDERATION OF VENETO CLUBS OF ONTARIO/FEDERAZIONE DEI CLUB VENETI DELL'ONTARIO (without share capital)	579671	April 11, 1984	King
THE KENSINGTON CARNIVAL SOCIETY (without share capital)	580983	Mar. 21, 1984	Metro. Toronto
THE LOYALIST YACHTING CLUB INC. (without share capital)	583025	April 17, 1984	Napanee
MARS HILL RADIO (CANADA) INC. (without share capital)	583087	April 10, 1984	Kingston
MEADOWCREST (PITTSBURG TOWNSHIP) DAY CARE (without share capital)	580935	April 3, 1984	Kingston
NIAGARA FUTURES NETWORK (without share capital)	581961	April 16, 1984	Niagara Falls
OTTAWA/CARLETON IN-HOME CHILD CARE PROVIDERS (without share capital)	580934	April 16, 1984	Ottawa
POINT PELEE YACHT CLUB (without share capital)	580977	April 17, 1984	Gosfield
SCARBOROUGH CITY COUGARS HOCKEY LEAGUE (without share capital)	581903	April 13, 1984	Scarborough
STAYNER SISKINS INCORPORATED (without share capital)	581922	April 6, 1984	Stayner
TAVISTOCK MINOR BALL ASSOCIATION (without share capital)	581936	April 17, 1984	East-Zorra Tavistock
WALLACEBURG LODGE NO. 1156 LOYAL ORDER OF MOOSE (without share capital) ...	574354	April 16, 1984	Wallaceburg
WATFORD MINOR HOCKEY ASSOCIATION INC. (without share capital)	581881	Mar. 28, 1984	Watford

E. J. WELLS, LL.B.,
Director, Companies Branch.

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Certificates of Amalgamation

NOTICE IS HEREBY GIVEN that a certificate of amalgamation under the *Business Corporations Act* has been endorsed:

Name of Amalgamated Corporation	Ontario Corp. No.	Effective Date	Names of Amalgamating Corporations
OPEN WINDOW BAKERY LIMITED ...	584461	April 19, 1984	Max Feig Holdings Limited Open Window Bakery Limited
THE PROTECTORS GROUP INSURANCE AGENCIES LTD.	564140	April 13, 1984	Correlated Data Insurance Agencies Limited Correlated Retirement Planning Inc. Correlated Contingencies Ltd. Correlated Management Group of Canada Ltd. Doug P. Cox Insurance Agencies Ltd.

E. J. WELLS, LL.B.,
Director, Companies Branch.

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Transfer of Ontario Corporation

NOTICE IS HEREBY GIVEN that, under the *Business Corporations Act*, an authorization to make an application for an instrument of continuance outside Ontario, has been given to:

Name of Corporation	Ontario Corp. No.	Effective Date	Jurisdiction Where Applying
EXACT-A-SEAL LIMITED	427009	April 17, 1984	Canada
(4626) 19			E. J. WELLS, LL.B., Director, Companies Branch.

Restated Certificates of Incorporation

NOTICE IS HEREBY GIVEN that a restated certificate of incorporation under the *Business Corporations Act*, has been endorsed:

Name of Corporation	Ontario Corp. No.	Effective Date
TSW MACHINE LIMITED	349042	April 18, 1984
JOHN E. ZULAK HAULAGE LIMITED	385116	April 18, 1984
(4627) 19		E. J. WELLS, LL.B., Director, Companies Branch.

Amendments to Articles

NOTICE IS HEREBY GIVEN that, under the *Business Corporations Act*, amendments to articles have been effected as follows:

Name of Corporation	Ontario Corp. No.	Effective Date
AIM ZYTRON INC. (formerly Aim Adhesives Inc.)	546602	April 19, 1984
ALLIED PERSONNEL LIMITED	122173	April 19, 1984
AMTELECOM INC.	29379	April 18, 1984
AMTELECOM INC.	29379	April 18, 1984
ARNITE MANAGEMENT SERVICES LIMITED	359960	April 19, 1984
H. WILSON BARNES INSURANCE AGENCIES INC.	576811	April 13, 1984
BARTLAW SERVICES CORPORATION	361919	April 17, 1984
BARTLEBY'S LTD. (formerly 561278 Ontario Limited)	561278	April 13, 1984
BILLITON CANADA LTD.	251152	April 17, 1984
BLACKSTONE EXPLORATIONS INC.	483888	April 19, 1984
BNR EQUIPMENT LIMITED	474008	April 13, 1984
BRIGHTSIDE FINANCIAL SERVICES INC.	555720	April 19, 1984
BRISCOE'S FOODMARKET LIMITED	204959	April 16, 1984
H.H. CAMPBELL INVESTMENTS LTD. (formerly Campbell Hospitals Limited)	72311	April 17, 1984
CARNELL PRODUCTIONS LTD. (formerly 538705 Ontario Inc.)	538705	April 17, 1984
CARTER-HILL CONSULTING INC.	573417	April 16, 1984
CASASANTA INVESTMENTS LTD. (formerly 581529 Ontario Inc.)	581529	April 19, 1984
CASECRAFT FURNITURE INC.	562459	April 19, 1984
CERTUS BEAUTY INC. (formerly 463843 Ontario Inc.)	463843	April 16, 1984
CHOCTAW CONSTRUCTION CO. LIMITED	125944	April 17, 1984
CHUBB INDUSTRIES LIMITED	582263	April 17, 1984
DAVID T. COLES (1984) LIMITED (formerly David T. Coles (Ottawa) Limited)	329982	April 16, 1984
COLIBRI CONSTRUCTION INC.	561533	April 17, 1984
COMPLETE BOOK SERVICES LIMITED	296545	April 19, 1984
COMPSTAT BUSINESS INSURANCE AGENCIES INC.	273917	April 19, 1984
CRAWFORD CLOTHES LIMITED	130605	April 19, 1984
CYMAC PROFESSIONAL SERVICES INC.	537564	April 19, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
DATAWORKS INC. (formerly 530571 Ontario Inc.)	530571	April 18, 1984
DEVINE & ASSOCIATES LIMITED (formerly 575639 Ontario Inc.)	575639	April 19, 1984
DIPONIO ENTERPRISES LIMITED	478044	April 18, 1984
DOM-X PLASTICS CORPORATION	435435	April 18, 1984
DUPORT LEASING LIMITED	122483	April 17, 1984
EAST PARK KARTLAND LTD.	504983	April 16, 1984
EMLO DISTRIBUTORS LTD.	572075	April 19, 1984
THE ENFIELD CORPORATION LIMITED (formerly 582854 Ontario Limited)	582854	April 19, 1984
FINANCIAL MODELS COMPANY INC. (formerly 330013 Ontario Limited)	330013	April 18, 1984
FLINT'S T.V. AND APPLIANCES LTD. (formerly Flints T.V. & Stereo Ltd.)	409211	April 17, 1984
FLORENCE & ROSA REININGER HOLDINGS LIMITED	116385	April 17, 1984
FREZOR PROPERTY MANAGEMENT LTD.	455564	April 16, 1984
GIBSON'S AUTO REFINISHING LIMITED	504072	April 17, 1984
GLOBAL HOME SERVICES INC. (formerly 552802 Ontario Limited)	552802	April 18, 1984
GOODYEAR CANADA INC.	27380	April 13, 1984
GORRIE MERCHANDISING AIDS LIMITED	289342	April 18, 1984
GRAHAM CREAMERY LIMITED	116603	April 17, 1984
HAINES-CAMRON INC.	391472	April 18, 1984
HIGH PERSPECTIVE INC.	400223	April 17, 1984
HILLIKER & SON (TILLSONBURG) INC.	552713	April 18, 1984
DUDLEY E. HOLMES LIMITED	142056	April 12, 1984
IBECA LIMITED	515905	April 18, 1984
THE IMPERIAL CENTAUR CORPORATION LIMITED	202651	April 16, 1984
INTERNATIONAL BARRIER CORPORATION LTD.	259124	April 18, 1984
JACTEN CORPORATION (formerly Jack Firestone Holdings Limited)	369652	April 13, 1984
JACRON HOLDINGS INC. (formerly 561394 Ontario Limited)	561394	April 17, 1984
JAN KOK DISPLAYS INC.	446424	April 18, 1984
JANSET CONSULTANTS INC. (formerly Janset Industries Inc.)	421657	April 19, 1984
JENAD INVESTMENTS LIMITED	284375	April 16, 1984
JONAS & ERICKSON LTD.	373655	April 19, 1984
JONES BOX AND LABEL CO. LIMITED	416950	April 16, 1984
KEYNOTE COMPUTER PRODUCTS INC. (formerly Keynote Designs Inc.)	472868	April 16, 1984
KIRBY TOOL & MOLD INC.	538619	April 13, 1984
KIRK MOTEL LIMITED	79985	April 16, 1984
KRONBRO HOLDINGS INC. (formerly 470943 Ontario Limited)	470943	April 13, 1984
L. LABELLE ELECTRIC LTD. (formerly 501891 Ontario Ltd.)	501891	April 18, 1984
LAKESIDE HOME BAKERY LIMITED	350216	April 16, 1984
LASER MARKING CORPORATION	555022	April 17, 1984
LASKIN'S FURNITURE & APPLIANCES INC.	251805	April 17, 1984
LENAX HOLDINGS LIMITED	466995	April 17, 1984
LIFEQUOTE CANADA INSURANCE AGENCY INC. (formerly Daniel E. Hynek Insurance Agency Ltd.)	479540	April 18, 1984
M. & A. TILE COMPANY LIMITED	422472	April 19, 1984
M-LINE PRODUCTS LIMITED	348215	April 18, 1984
MD CAPITAL SERVICES INC. (formerly 498785 Ontario Limited)	498785	April 18, 1984
MEDIACOM INDUSTRIES INC.	254659	April 19, 1984
MERCADO ENTERPRISES LTD. (formerly Hilborn Holdings Limited)	355290	April 17, 1984
MERCURY SKI LIMITED	364057	April 17, 1984
METALS & ALLOYS COMPANY LIMITED	111043	April 17, 1984
MING MEDICAL CLINIC INC.	450579	April 13, 1984
MINIBAR CANADA LIMITED	578765	April 18, 1984
MORCAL ELECTRONICS INC. (formerly 580311 Ontario Limited)	580311	April 19, 1984
MUST DISTRIBUTING INC.	557569	April 16, 1984
NATIONAL ELECTRONICS & WATCH (CANADA) LTD. (formerly 582634 Ontario Ltd.)	582634	April 17, 1984
NAUGHTY BITS INC. (formerly 444846 Ontario Limited)	444846	April 17, 1984
NIZZA ENTERPRISES LIMITED	316576	April 18, 1984
NORTHERN MICROLITES LTD.	467879	April 17, 1984
THE NORTHERN ONTARIO DIRECTORY LTD.	510260	April 12, 1984
NRS CASTLE REALTY INC. (formerly J. Castaldi Real Estate Limited)	314182	April 17, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
OGILVY SNACK BAR LIMITED (formerly Ogilvy Car Leasing (Windsor) Limited)	389425	April 13, 1984
ON-CHIN INVESTMENTS INC.	563399	April 19, 1984
ONTARIO REALTY SERVICES LTD. (formerly All Ontario Realty Ltd.) ..	558403	April 19, 1984
ONTARIO TRAVEL APARTMENTS INC.	568057	April 18, 1984
ORIGINAL STERLING SPORTSWEAR (1967) LIMITED	203785	April 17, 1984
V.J. PAMENSKY CANADA INC.	385023	April 18, 1984
PAT AND MARIO'S RESTAURANTS INC	511111	April 16, 1984
PINEAPPLE INDUSTRIES INC.	471950	April 19, 1984
PORTAMEAT LIMITED	403812	April 18, 1984
QUICK CANADIAN IMPORT & EXPORT LIMITED	559851	April 19, 1984
RAVEN SILK SCREEN & GRAPHICS INC.	583001	April 17, 1984
THE REFEREE RESTAURANTS LTD. (formerly Capital Village Restaurant Ltd.)	561293	April 12, 1984
ANNA REINHARDT & ASSOCIATES INC. (formerly Endorsement Recruiters Inc.)	445608	April 19, 1984
RETHBERG LIMITED	277816	April 19, 1984
ROBERT-SAMUEL INVESTMENTS INC.	243305	April 19, 1984
ROMAY AUTOMOTIVE LIMITED	492856	April 12, 1984
S.M.G. AUTO CARE LTD. (formerly Simcoe Mechanical & Installation Inc.)	517314	April 18, 1984
SCHOUTEN CORNER VIEW FARMS LTD.	387576	April 17, 1984
SHERWAY TRI DONT MANAGEMENT INC. (formerly 583683 Ontario Inc.)	583683	April 19, 1984
SKEOCH BUSINESS EQUIPMENT LIMITED (formerly 571304 Ontario Limited)	571304	April 16, 1984
JOHN E. SMITH CONTRACTING LIMITED	435110	April 17, 1984
SOUTH WATERLOO/EDGAR INSURANCE BROKERS LIMITED	516839	April 16, 1984
SOUTHWEST ENERGY CONTROL SYSTEMS OF CANADA LTD.	496546	April 19, 1984
SPRINGFEST FASHIONS INC.	571521	April 16, 1984
ST. MURJON PROTECTIVE COATINGS INC. (formerly Small St. Murjon Protective Coatings Inc.)	581843	April 16, 1984
J. STEENBAKKERS ENTERPRISES LTD. (formerly J. Steenbakkers Lumber Limited)	90633	April 13, 1984
STRATEGIC INSURANCE AGENCY INC. (formerly 474942 Ontario Inc.) .	474942	April 17, 1984
SWEETWARE INC. (formerly 400549 Ontario Limited)	400549	April 18, 1984
SWISS HERBAL REMEDIES LIMITED REMEDES D'HERBES SUISES LTÉE (formerly Swiss Herbal Remedies Limited)	216771	April 19, 1984
T. AND C. BARBEQUE LIMITED	231972	April 19, 1984
MARGARET M. TALLMIRE FASHIONS INC. (formerly 516239 Ontario Inc.)	516239	April 13, 1984
C & S TANNER DISTRIBUTING CORP. (formerly 477813 Ontario Limited)	477813	April 17, 1984
TECHNICAL REINSURANCE LIMITED (formerly Technical Life Insurance Limited)	559990	April 19, 1984
THUNDERBOLT MUFFLERS INC. (formerly 579976 Ontario Limited) ...	579976	April 17, 1984
TOP GUN LTD.	498570	April 17, 1984
TRADITION REAL ESTATE LIMITED	558516	April 18, 1984
TRANSCAN AUTO PARTS LIMITED (formerly R. Hunters Transcan Autoparts Ltd)	471041	April 13, 1984
TRAVELSAVE TOURS AND TRAVEL LTD. (formerly Skybird Tours and Travel Ltd.)	563720	April 19, 1984
TSW MACHINE LIMITED	349042	April 17, 1984
ULAX PROPERTIES LIMITED	279290	April 19, 1984
UNIVERSAL PLASTICS MFG. LTD.	421145	April 19, 1984
V B N CONSTRUCTION LIMITED	260033	April 18, 1984
C. J. WAGSTAFF & ASSOCIATES INSURANCE BROKERS LTD. (formerly C. J. Wagstaff & Associates Insurance Agency Ltd.)	333977	April 18, 1984
D K WALTON ASSOCIATES LTD.	534427	April 19, 1984
WENDY'S OF ONTARIO, INC.	304825	April 18, 1984
WESTSHEP DEVELOPMENTS LIMITED	343101	April 17, 1984
WHITEHALL ESTATES LIMITED (formerly 498791 Ontario Inc.)	498791	April 18, 1984
WOODHOLE ASSOCIATES LIMITED	493296	April 19, 1984
ED. WOODS CUSTOM CONTRACTING LTD.	388903	April 16, 1984

Name of Corporation	Ontario Corp. No.	Effective Date
JOHN E. ZULAK HAULAGE LIMITED	385116	April 17, 1984
144217 ONTARIO LIMITED (formerly Capital Roof Truss (1969) Limited ...	144217	April 13, 1984
334208 ONTARIO LIMITED (formerly John Wood Limited)	334208	April 18, 1984
379066 ONTARIO LIMITED (formerly John Wood Mfg. Ltd.)	379066	April 18, 1984
380107 ONTARIO LIMITED	380107	April 13, 1984
433343 ONTARIO LIMITED	433343	April 17, 1984
514229 ONTARIO LIMITED	514229	April 16, 1984
514269 ONTARIO LIMITED	514269	April 16, 1984
527729 ONTARIO LIMITED	527729	April 19, 1984
532421 ONTARIO LIMITED	532421	April 16, 1984
536190 ONTARIO LIMITED	536190	April 18, 1984
537100 ONTARIO LIMITED	537100	April 18, 1984
537101 ONTARIO LIMITED	537101	April 18, 1984
544647 ONTARIO LIMITED	544647	April 17, 1984
547165 ONTARIO LIMITED	547165	April 17, 1984
547166 ONTARIO LIMITED	547166	April 17, 1984
552050 ONTARIO INC.	552050	April 13, 1984
552469 ONTARIO LIMITED (formerly Wire-Tire Manufacturing Co. (1983) Ltd.)	552469	April 16, 1984
552804 ONTARIO LIMITED	552804	April 16, 1984
553583 ONTARIO LIMITED	553583	April 18, 1984
558586 ONTARIO LIMITED (formerly Stuart's Rental Inc.)	558586	April 17, 1984
572980 ONTARIO LIMITED	572980	April 19, 1984
576535 ONTARIO LIMITED	576535	April 16, 1984
581819 ONTARIO LIMITED	581819	April 16, 1984
581821 ONTARIO LIMITED	581821	April 16, 1984
581822 ONTARIO LIMITED	581822	April 16, 1984

(4628) 19

E. J. WELLS, LL.B.,
Director, Companies Branch.

Supplementary Letters Patent Issued

NOTICE IS HEREBY GIVEN that, under the *Corporations Act*, Supplementary Letters Patent have been issued to:

Name of Corporation	Ontario Corp. No.	Effective Date
BIRCHWOOD TERRACE NURSING HOME INC.	577706	April 18, 1984
ONTARIO GENERAL INSURANCE COMPANY (Ontario Mutual General Insurance Company)	252778	April 19, 1984

(4629) 19

E. J. WELLS, LL.B.,
Director, Companies Branch.

Articles of Revival

NOTICE IS HEREBY GIVEN that, certificates of revival under the *Business Corporations Act*, have been endorsed reviving the following corporations:

Name of Corporation	Ontario Corp. No.	Effective Date
P. CHIN DRUGS LIMITED	407950	April 16, 1984
DONNYGAR ENTERPRISES INC.	335691	April 16, 1984
LEASEABLES INCORPORATED	385346	April 16, 1984
RUSSETLANE HOLDINGS LIMITED	396590	April 17, 1984
369949 ONTARIO LIMITED	369949	April 17, 1984

(4630) 19

E. J. WELLS, LL.B.,
Director, Companies Branch.

Extra-Provincial Licence Issued

NOTICE IS HEREBY GIVEN that, under Part VIII of the *Corporations Act*, a Licence has been issued to the following corporation:

Name of Corporation	Ontario Corp. No.	Jurisdiction of Incorporation	Date of Licence
COBAR IMPORTS (CANADA) INC.	580953	British Columbia	April 16, 1984
(4631) 19		E. J. WELLS, LL.B., Director, Companies Branch.	

Certificates of Dissolution

NOTICE IS HEREBY GIVEN that a Certificate of Dissolution under the *Business Corporations Act*, has been endorsed:

Name of Corporation	Ontario Corp. No.	Effective Date
BENTLEY HARDWARE LIMITED	95206	April 18, 1984
CARRIER CONSTRUCTION LIMITED	443264	April 16, 1984
CLIFF-NOR PROPERTIES LTD.	305848	April 16, 1984
DELTA LEATHER PRODUCTS LIMITED	63395	April 16, 1984
GREAT NORTHERN GAS COMPANY, LIMITED	22363	April 17, 1984
H.P.W. LTD.	305732	April 18, 1984
HOWARD EDWARDS SUPPLY & CONSTRUCTION LIMITED	90041	April 16, 1984
LINDA COLE LIMITED	279734	April 18, 1984
ORSAM COMPANY LIMITED	115849	April 17, 1984
PHALANX INVESTMENTS LIMITED	203896	April 16, 1984
SCORPION TRANSPORT INC.	501826	April 16, 1984
URQUHART AND HUGHES LIMITED	77853	April 17, 1984
WRIGHT'S GARAGE OF BLOOMFIELD LIMITED	228299	April 17, 1984
381039 ONTARIO LIMITED	381039	April 18, 1984
445883 ONTARIO LIMITED	445883	April 17, 1984
E. J. WELLS, LL.B., Director, Companies Branch.		

(4632) 19

Surrender of Charter and Termination of Existence
(Corporations Act)

NOTICE IS HEREBY GIVEN that, Orders under section 319 or 320 of the *Corporations Act*, as the case may be, have been made accepting the surrender of the charter/terminating the existence of the following corporations:

Name of Corporation	Ontario Corp. No.	Date of Order	Date of Dissolution
BURLINGTON COMMUNITY SOCIAL PLANNING COUNCIL	254973	April 16, 1984	April 16, 1984
THE NORTH HALTON SOCIAL PLANNING COUNCIL	506116	April 16, 1984	April 16, 1984
THE SOCIAL PLANNING COUNCIL – OAKVILLE AND DISTRICT	222322	April 16, 1984	April 16, 1984
THE THUNDER BAY Y.M.-Y.W.C.A.	319467	April 17, 1984	April 17, 1984
(4633) 19		E. J. WELLS, LL.B., Director, Companies Branch.	

Cancellations for Cause
(Business Corporations Act)

NOTICE IS HEREBY GIVEN that by Orders under section 239 of the *Business Corporations Act* the certificate set out hereunder has been cancelled for cause and in the case of certificates of incorporation the corporation has been dissolved:

Name of Corporation	Ontario Corp. No.	Type of Certificate Cancelled	Effective Date of Cancellation
PALIT HOLDINGS LIMITED	534948	Certificate of Amalgamation	Dec. 31, 1982
(4634) 19		E. J. WELLS, LL.B., Director, Companies Branch.	

Notice of Default in Complying with
the Corporations Tax Act

The Director has been notified by the Minister of Revenue that the following corporations are in default in complying with the *Corporations Tax Act*.

NOTICE IS HEREBY GIVEN under subsection 240 (1) of the *Business Corporations Act* that unless the corporations listed hereunder comply with the requirements of the *Corporations Tax Act* within 90 days of this notice, Orders will be made dissolving the defaulting corporations. All enquiries concerning this notice are to be directed to Corporations Tax Branch, Ministry of Revenue, 33 King Street West, Oshawa, Ontario, L1H 8H6.

Name of Corporation	Ontario Corp. No.
A & S COLLISION CENTRE (TORONTO) LIMITED	304102
ABC KITCHEN DISTRIBUTING INC.	361263
ACRYLA-SHINE INCORPORATED	447743
AD-ORN HOMES COMPANY LIMITED	284683
AHSAN MANAGEMENT LTD.	310671
AIR CANADIAN LIMOUSINE SERVICE LTD.	448845
ALBERT LEE & ASSOCIATES INC.	448477
ALCESTER MECHANICAL LTD.	419181
ALGICYRUSS LIMITED	433566
ALLEN/RAE CANADA INCORPORATED	440537
ALPHA OMEGA ELECTRIC LTD.	450714
ALUSIAN MANAGEMENT INC.	413747
AMAZIA LTD.	411278
ANDRE MURAN DEVELOPMENT INC.	449295
ANGOTTI CONSTRUCTION CO. LIMITED	59616
ANJAN METALS LIMITED	243642
APOLDALE CORPORATION LIMITED	449010
ARCHIPLAN INC.	448110
ARNOLD SOMERVILLE LIMITED	114064
ASSOCIATED GIFT SHOPPES INC.	402407
AUDIO BY AVANT (CANADA) INC.	389149
AUDIO N GIFTS INC.	430688
AUTO INVESTORS LIMITED	447783
AUTO-TRUCK RUSTPROOFING (STONEY CREEK) LIMITED	404673
B. J. S. SPECIALTIES LIMITED	236333
B.E.L. SYSTEMS LTD.	427765
BAHCO ENGINEERS INC.	381553
BALMORAL BAKERIES LIMITED	490306
BARTLEY BUILDERS LTD.	357788
BAY ROBERTS CONSTRUCTION LIMITED	374880
BETA PROPERTY INVESTMENTS LTD.	337826
BO-PEEP CONTRACTING & SNOWPLOWING INCORPORATED	448764

Name of Corporation	Ontario Corp. No.
BOLD RULER HOLDINGS INC.	448035
BOLTON STEEL ERECTORS LTD.....	449952
BOREALIS INVESTMENTS LIMITED	247386
BOULTON HOT TUBS LTD.	450787
BRADFORD PACKAGING (1980) LTD.	455921
BRANLINE LEASING INCORPORATED	432004
BRENTANO'S BOOKSELLERS LIMITED	303759
BRIXWORTH REALTY INC.	448717
BROSNA INDUSTRIES LIMITED	418332
BROWN & MAYO LIMITED	234737
BRUCE WILSON ELECTRIC LTD.	347441
BULLSHOT LIMITED.....	486593
C.A.S. METAL FABRICATING COMPANY LIMITED.....	440678
C.M.S. PLUMBING & HEATING LTD.....	390330
CANAB HOLDINGS LIMITED.....	138319
CANADA CABINETS AND FURNITURE (1980) INC.	438375
CANADA COMPONENT CARS LIMITED	402259
CANADASIA TRAVEL LIMITED	305999
CANADIANA OLDE TYME VILLAGE INC.	437914
CANFUND MILLSTREAM PROPERTIES LTD.	456914
CAROSAND INVESTMENTS LIMITED	97933
CARPET CRAFTS LIMITED.....	151240
CENTURY QUARRIES LIMITED	213872
CHANIN MEDIA CONSULTING LIMITED.....	372627
CHAR-BEN FARMS LIMITED	218758
CHARLES-CRAIG SALES INTERNATIONAL INC.	449068
CHARYBDIS AND SCYLLA INVESTMENTS LTD.	421185
CHOLDINGS CORPORATION	385639
CITY LUMBER & SUPPLIES (BRANTFORD) LIMITED	87536
COBRA CONSTRUCTION LIMITED	217752
COLLECTORS HOUSE LIMITED	451618
COLONIAL MARINE INDUSTRIAL CORPORATION	450640
COLONIAL YACHT HARBOUR LIMITED	138396
COMMODORE MINING & RESOURCES LTD.	449281
CONBREL INDUSTRIES INC.	364213
CONTINENTAL EMPLOYMENT AGENCY LIMITED	492963
CORRECT CUSTOMER SERVICES LIMITED	276141
COURT CHEMICALS & MINERALS LIMITED	76721
COWBOYS DON'T CRY LTD.	462851
CREATIVE IMAGE DESIGN INC.	410310
CRESCENT PLASTICS LIMITED	368240
CROSTOWN TOOL & DIE INCORPORATED	247460
CRYSTAL WINDOW & FLOOR CLEANING LIMITED.....	247068
CURPAGOS FOODS LIMITED	389642
CWS DEVELOPMENTS LIMITED	343253
DA PONTE CONSTRUCTION LTD.	449508
DALE RUTLEDGE CONSTRUCTION LIMITED	351338
DECOR PLAZA INC.	385539
DENLEN ELECTRONICS CORPORATION LIMITED	201257
DESIGN CRAFT FURNITURE OF HANOVER LTD.	434172
DICKIE, CADMAN AND ASSOCIATES INC.	452280
DIGISYSTEMS INC.	452139
DIGITAL VIDEO LABORATORIES INC.	277244
DILITON PUBLICATIONS INC.	380938
DIXMAR DEVELOPMENTS LIMITED	224611
DJY ENTERPRISES LTD.	340117
DOMCRETE CONSTRUCTION LIMITED	448339
DOME MAINTENANCE GROUP LIMITED	445917
DOMINION AUTO SUPPLY (OWEN SOUND) LIMITED	105768
DOMSTOCK HOLDINGS LTD.	430653
DONALD GIRARD ENTERPRISES INC.	451167
DONLIN BAKERIES INC.	387624

Name of Corporation	Ontario Corp. No.
DOUBURN CONSTRUCTION LIMITED	319254
DUTCH CRAFT LIMITED	267916
E. F. JEFFS ENERGY RESOURCES INC.	361810
E.F.R. DEVELOPMENTS LIMITED	285086
EAST OSHAWA DEVELOPMENTS LIMITED	276809
EASTMAN HOMES LIMITED	337364
ECONO SIGN ERECTORS LTD.	416614
EDWARD WEST LIMITED	201467
EFMAC PRINTING & GRAPHIC SERVICES LIMITED	411189
EGT PARTS AND SERVICE LIMITED	394361
ELORE TRANSPORT INC.	449586
EMERYVILLE SUPERMARKET LTD.	346226
END-RUNS PRODUCTS LTD.	496821
EPHRAM-TRESSLER-YOUSSEF ASSOCIATES INC.	447707
EQUIPRENT LIMITED	387595
EURO-CANADA COSMETICS & BEAUTY CORP.	419018
F. M. SOUND & AMUSEMENTS LIMITED	139717
FACTORY KITCHEN CABINET MART LTD.	356161
FADA ASSOCIATES LIMITED	110607
FILMTEL ENTERPRISES LTD.	386650
FINESSE SHEERS LTD.	378727
FINTRACOM INTERNATIONAL INC.	461040
FRANK HOGG INVESTMENTS LIMITED	449375
FULL CIRCLE MARKETING LTD.	432638
FURM REALTY DEVELOPMENTS LTD.	295349
G. & L. MEAT MARKET INC.	351689
G. R. ROWNEY PARTNERS INC.	289916
GALAXIE OPTICIANS CENTRE LTD.	317558
GATT INDUSTRIES LTD.	450367
GAVRIEL PACKAGING LIMITED	368293
GEE BEE FAMILY RESTAURANTS LIMITED	448167
GEORGE R. BROUGHTON LTD.	450366
GEORGE TAYLOR FOODS LIMITED	238412
GH CONSTRUCTION LTD.	450405
GLADE OIL & GAS EXPLORATIONS INC.	435086
GLENAIRE AIR CONDITIONING INC.	438120
GOLD MEDALLION PREVENTIVE MAINTENANCE SERVICES LTD.	410601
GOLFER'S HAVEN LTD.	449812
GOLFWAY CONSTRUCTION LTD.	418352
GRADATAM INC.	336670
GRANDALL RESIDENTIAL SECURITY SYSTEMS INC.	448983
GROWING FEET LTD.	414631
GRU-DAN ENTERPRISES LIMITED	98520
GUELPH INVESTMENTS LIMITED	118727
H. S. H. DRYWALL LTD.	331488
H.F.P. LITHOGRAPHY LIMITED	251177
HAIST DESIGNS LIMITED	440117
HAMPTON INVESTMENTS (LONDON) LIMITED	274665
HANLEY INVESTMENT CORPORATION	382075
HAPPY PLANTS LIMITED	385726
HARLEQUIN INVESTMENTS LIMITED	257700
HAWLEY MARKETING SERVICES LTD.	355303
HAYTON CONTROLS LIMITED	430958
HELMSDALE CONSTRUCTION LIMITED	417402
HIALEAH CAR SALES LIMITED	135246
HIGHLAND CARPENTRY CONTRACTORS LTD.	418848
HIGHVALE CONSTRUCTION LTD.	419511
HIROSHI ROOFING & INVESTMENTS LTD.	420879
HYDRAULIC CONCEPTS LIMITED	303157
INCUBATOR DO-IT-MENT LIMITED	281340
INTERNATIONAL CORPORATE ADVERTISING BROKERS INC.	452304
INTERNATIONAL TRANSLATING INSTRUMENTS INC.	449504

Name of Corporation	Ontario Corp. No.
ISAAC GOLDMAN & COMPANY LIMITED	389442
ISRAEL SHOPSOWITZ DELICATESSEN LIMITED	249617
ITAL-CAN CONSTRUCTION INC.	449188
IVY LANE ESTATES INC.	283339
J. H. GRABOWSKI MASONRY LTD.	461505
J. W. LANE REALTY LTD.	410956
J.A.C.K. HOLDINGS LTD.	341779
J.B.M. RESTAURANTS LIMITED	377700
J-P CHARBONNEAU REALTY LIMITED	306671
JACQUELLE OF CANADA LIMITED	292315
JAGS INVESTMENTS LTD.	361312
JAY DEVRIES HOLDINGS LIMITED	454109
JEFFREY RESTAURANT SUPPLIES LTD.	389954
JEFFREY WILLIAM PATRICK AND ASSOCIATES LTD.	388756
JO-MAC INVESTMENTS LIMITED	250833
JOBI TRADING INC.	448985
JOE FRANKEN ADVERTISING LIMITED	81025
JOE THE MUSIC MAN LIMITED	350559
JOHN NEVILLE REAL ESTATE LIMITED	279228
JONATHON COWLS LIMITED	377735
JOSE DA COSTA CONSTRUCTION LIMITED	309280
JOTHAN INVESTMENTS LIMITED	207848
JOYCE MOTORS LIMITED	67248
K & F AUTO PARTS LIMITED	232476
K. MCCULLY CONSTRUCTION LINE & DESIGN INC.	448734
K. S. F. INVESTMENTS INCORPORATED	387192
KAGAL REAL ESTATE LIMITED	271541
KATANA INVESTMENTS LIMITED	224581
KEFALAS AGENCIES INC.	450867
KEN WRIGHT REALTY LIMITED	385154
KEN'S ELECTRIC SERVICE (WINDSOR) LTD.	298861
KENFORD LTD.	310513
KENSTAP LTD.	423247
KEVIN J. SHIELDS ENTERPRISES LTD.	278859
KING COBRA LIMITED	366499
KIRKHAM CONSTRUCTION LIMITED	259353
KLAR PROPERTIES INC.	428752
KOVAC AND ERNST REAL ESTATE INC.	349431
KOZLIK INC.	308897
KRENCO INC.	448816
L. E. WELK CONSULTANT LIMITED	345149
LANZINGALE CONSTRUCTION LIMITED	107779
LARREK CORPORATION	418683
LARRY & ED CARPENTRY LTD.	456534
LAWRIE LANDS LIMITED	449847
LEASECONCEPT (ONTARIO) LTD.	273349
LES ELECTRIC LIMITED	405290
LINMILL CONSTRUCTION LIMITED	288109
LINWELL MANAGEMENT COMPANY LIMITED	294832
LLOYD PERRY ENTERPRISES LIMITED	243753
LOUIE ELIAS & SONS PRODUCE INC.	449376
LOUIS RUBIN PAINTERS AND DECORATORS LIMITED	359885
LUMI X-C DESIGNS LIMITED	390332
LYNDEL TRANSPORTATION LTD.	451742
M I S A INVESTMENTS INC.	396502
M.A. MOOSA REAL ESTATE LTD.	408018
M.P. MARKET PLACE LIMITED	333949
M.R. NURSING SERVICES LTD.	460670
MABEL IMPORTS LIMITED	450229
MANSOUR FOOD SERVICES INC.	476245
MAPLE LEAF FORMING COMPANY LIMITED	359548
MAPLE RIDGE DEVELOPMENT COMPANY LIMITED	237218

Name of Corporation	Ontario Corp. No.
MARCELLE GIDEON ENTERPRISES INC.	430988
MARGINAL RESTAURANTS INC.	440795
MARIO AIELLO CONSTRUCTION LTD.	427410
MARIPOSA AUTO LEASING LIMITED	371554
MARVAN EXCAVATING LIMITED	414952
MASKEY & ASSOCIATES LTD.	449712
MATCON INSTALLATIONS LIMITED	346643
MEDIA RARE INC.	347247
MEDITERRANEAN IMPORTERS & EXPORTERS COMPANY LIMITED	383337
MERIDA MANAGEMENT AND TRADING CO. LTD.	420051
MESA THREE PRODUCTIONS INC.	448197
METRO TORONTO PERSONALIZED DATING SERVICE LTD.	447769
MITROF INVESTMENTS LIMITED	344711
MOBAL-IZERS LIMITED	399541
MODUS KITCHENS LIMITED	384954
MOLLY'S ACRYLIC & GLASS CO. LTD.	417329
MOTHMELLOW INVESTMENTS LIMITED	424959
MUSKOKA VISION CENTRE LTD.	462039
N. P. H. B. LAND DEVELOPMENTS LIMITED	204209
N.B. INDUSTRIES LIMITED	448084
NAGID INVESTMENTS LIMITED	211916
NAIRDA ENERGY AMPLIFICATIONS INC.	449495
NAKCOMM COMMUNICATIONS INC.	413064
NANCY'S DELI AND OLD FASHIONED ICE CREAM PARLOUR LIMITED	403760
NANDOROTH INVESTMENTS CORPORATION	399535
NASHVILLE PUBLISHING CO. LTD.	457783
NETJAC CORPORATION (FORT MYERS-APPROACH) INC.	277795
NEW DAWN INVESTMENTS LIMITED	247841
NEW DIMENSION SPORTS INC.	449204
NIPISSING BLACK GRANITE COMPANY LIMITED	59326
NUPENN HOLDINGS LIMITED	280671
OLDE WORLD FURNITURE MAKERS INC.	305538
OPTICSCAN PUBLISHING LIMITED	474020
P & H TIMBER PRODUCTS LTD.	447242
P. J. ROLFE AND ASSOCIATES LIMITED	334232
P. M. SERVICES INTERNATIONAL INC.	448063
P. O. M. ERICKSON ENTERPRISES LIMITED	346013
P. S. COOPER MANAGEMENT SERVICES INC.	305950
PADDY'S FARM FOODS LIMITED	400488
PANNELL HOLDINGS LTD.	365598
PATHWAY OIL DEVELOPMENTS INC.	450238
PAUL GOLDSTEIN PUBLIC RELATIONS INC.	277891
PAUL KASH HOLDINGS LIMITED	362671
PAUL RACINE HOLDINGS LTD.	377240
PELEE ISLAND GRAIN MERCHANTS LIMITED	289226
PENINSULA ELECTRIC LTD.	421654
PENTRAVEL (FONTHILL) LIMITED	452174
PETER BUREN & SONS LIMITED	281083
PHILIP FURTNEY INSURANCE AGENCY LTD.	397755
PITCHFORD CONSTRUCTION LIMITED	91124
POLYCAST LTD.	361736
POSTAL MARKETING SERVICES LIMITED	448231
PRETTY RIVER HOLDINGS LIMITED	142087
PRIDE LONDON CLEANING AND MAINTENANCE CO. LTD.	449785
PRISMATIC INVESTMENTS LIMITED	224281
PRODIGAL SON DISTRIBUTING INC.	448995
PROJECT 2000 INC.	439383
PROSPECT PAVING LIMITED	219211
QUEENSWAY TAXI (OTTAWA) LIMITED	121024
R & J FABRICATION (BELLEVILLE) LIMITED	286894
R & R LANDSCAPING & GARDENING INC.	359979
R. A. PILKINGTON LIMITED	374311

Name of Corporation	Ontario Corp. No.
R. J. TAIT INCORPORATED	361706
R.C. DEMERS ENTERPRISES LTD.	449649
R.N.D. HOLDINGS INC.	350245
RACOR LIMITED	334212
RAMORE DISPOSAL LTD.	418138
RANDAWN INVESTMENTS LIMITED	114806
RANKIN FARM & HATCHERY LTD.	311986
REALISTIC GRAPHICS LIMITED	359334
RENE'S BEAUTY AIDS LIMITED	436073
RENHILL HOME BUILDERS (FORT MYERS-APPROACH) INC.	277788
RENHOLD PROPERTIES LIMITED	449267
RESOLUTE PETROLEUMS LIMITED	59774
REV-COM FINANCIAL CORPORATION	338018
RHENOSTER CANADA LTD.	448064
RIDEAU VIEW DEVELOPMENTS LIMITED	213735
RIFCOR INDUSTRIES LTD.	418808
RIGER LIMITED	140853
RIGHT HAND HOLDINGS LTD.	479797
RMG HOLDINGS INC.	350643
ROBERT E. MACK ENTERPRISES LTD.	330774
ROCK DRIVE INVESTMENTS LIMITED	115657
ROCKDOR ENTERPRISES INC.	447493
ROGER A. HALL MANAGEMENT GROUP INCORPORATED	449839
ROGERS SPORTS INC.	447869
ROLF FREY REAL ESTATE LIMITED	257674
RON AGAR CONSTRUCTION (ESSEX) LTD.	435229
ROS-MAR INVESTMENTS LIMITED	223309
ROSINANTE ASSOCIATES LIMITED	448969
S. MEEHAN MILLWRIGHT SERVICES LIMITED	477780
S. REID METALS LIMITED	451199
SAVUTO AGRI-PRODUCTS IMPORT & EXPORT LTD.	448437
SEPTEMBER LESCOTT CORPORATION LIMITED	203328
SETTLEMENT ADVERTISING CORPORATION	411640
SHERVALE DEVELOPMENTS INC.	282449
SIDBAR JEWELLERS LIMITED	117956
SIDERIDER MOTORCYCLES INC.	389536
SIDMAR MANAGEMENT LTD.	449817
SIDOR CONSTRUCTION LIMITED	107104
SILGOLD ENTERPRISES LTD.	449540
SIMCOE FENCE & INSTALLATIONS LTD.	413868
SKELTON MEMORIALS LIMITED	342025
SKI-SKATE ENTERPRISES OF CANADA LTD.	428684
SKIN ODYSSEY LTD.	450309
SPARTAN CLEANING SERVICES LTD.	372017
SPECIALTY RESINS UNLIMITED COMPANY LTD.	428408
SPRAY BOOTH SERVICES LTD.	419199
STEENBERG FURNITURE AND APPLIANCE CENTRE	155981
STEINBERG MOTOR SALES LIMITED	129796
STONE SLINGER SERVICES LIMITED	428935
STRAND HOLIDAYS HOLDINGS LIMITED	366906
STRICT ADVERTISING LIMITED	449808
SUBMARINE SANDWICH (PORT ARTHUR) LIMITED	351866
SUE BROS. BAKERY LIMITED	389480
SYRUMAG & COMPANY LTD.	363500
SYSTEX GROUP LIMITED	393152
T A M MARKETING ASSOCIATES LIMITED	111132
T.H.I. CONSTRUCTION LTD.	448009
TARGET CONTAINER TERMINALS LTD.	449078
TELESOUND INC.	448847
THANET INVESTMENTS LIMITED	116007
THE BARN STEAK HOUSE AND TAVERN LIMITED	295043
THE CORBESS CORPORATION	449908

Name of Corporation	Ontario Corp. No.
THE FORESIGHT GROUP INC.	447746
THE GREATER MISSISSAUGA PERSONALIZED DATING SERVICE LTD.	452287
THE GREATER SCARBOROUGH PERSONALIZED DATING SERVICE LTD.	458297
THE HUNGERFORD GROUP, INCORPORATED	450218
THE WOODEN SPOON LIMITED	448796
THOR B & O LTD.	249736
THORNHILL FIRE PROTECTION SERVICES LTD.	400841
THUOT LIMITED	258117
TONON PAINTING & DECORATING SERVICES LTD.	388644
TORONTO SEATING COMPANY LTD.	494485
TOWERVIEW GIFT SHOPS LIMITED	120448
TRILOBITE INVESTMENTS LIMITED	335421
TRINE MUSIC PRODUCTIONS INCORPORATED	384940
TRIPLE 'B' INVESTMENTS LIMITED	225521
TRIPLE H TRUCK RENTALS LIMITED	215423
TROB ENTERPRISES LTD.	347308
TROPEZ CONSTRUCTION CO. LTD.	449765
TROTTIER FOODS LIMITED	115795
TURF & TREE FARMS LIMITED	388687
TWENTIETH CENTURY SOUND INC.	456463
TWENTY SEVENTEEN MANAGEMENT LTD.	374763
UOMO LIMITED	418257
V & R SERVICE CENTRE LIMITED	376150
VAGABOND TRAVEL LTD.	357360
VALLEY EAST SNOWMOBILE & SKI LIMITED	227359
VALPINE COUNTRY TRAILER PARK INC.	382823
VAN'S WAFFLE COMPANY LIMITED	143605
VELRAE CORPORATION	286060
VIPOND INTERNATIONAL CONTRACTING LIMITED	452264
VROY PROPERTIES LIMITED	285281
W. HOUGHTON SCALING INC.	442214
W. R. (PETER) MCKAY SALES LIMITED	436326
W.M. HUNT RESTAURANTS INC.	493869
W.V.R. ENTERPRISES LTD.	450949
WATERLOO TRAVEL LTD.	439553
WEST END TOWERS LIMITED	132099
WESTINGTON REAL ESTATE LTD.	440673
WHITECROSS PHARMACEUTICALS LIMITED	85981
WILLIAM A. THOMAS & ASSOCIATES INC.	309209
WILLIAM ALEXANDER AINSUE HOLDINGS LTD.	402015
WINARCO DEVELOPMENTS LTD.	313843
WINCHESTER SAND & GRAVEL LIMITED	413911
WINGWIDE INTERNATIONAL TRADING COMPANY LIMITED	406305
WINSEN LIMITED	255862
WM. SCOTT INSURANCE AGENCIES INC.	308131
XIV-IV-X-XXII INC.	445151
YARX LABORATORIES LIMITED	287966
272243 ONTARIO LIMITED	272243
303036 ONTARIO LIMITED	303036
305 RIVERSIDE DRIVE LIMITED	352055
312040 ONTARIO LIMITED	312040
315724 ONTARIO INC.	315724
344675 ONTARIO LIMITED	344675
345533 ONTARIO LIMITED	345533
359097 ONTARIO LIMITED	359097
360561 ONTARIO LIMITED	360561
361382 ONTARIO LIMITED	361382
361552 ONTARIO LIMITED	361552
361595 ONTARIO LIMITED	361595
363028 ONTARIO LIMITED	363028
366713 ONTARIO LIMITED	366713
368920 ONTARIO LIMITED	368920

Name of Corporation		Ontario Corp. No.
385479	ONTARIO LIMITED	385479
385508	ONTARIO LIMITED	385508
386953	ONTARIO LIMITED	386953
387000	ONTARIO LIMITED	387000
387074	ONTARIO LIMITED	387074
389060	ONTARIO LIMITED	389060
389095	ONTARIO LTD.	389095
391530	ONTARIO LIMITED	391530
394990	ONTARIO LIMITED	394990
395655	ONTARIO LIMITED	395655
396434	ONTARIO LIMITED	396434
397383	ONTARIO LTD.	397383
399685	ONTARIO LIMITED	399685
401	MOTOR HOTEL INC.	447816
405463	ONTARIO LIMITED	405463
407803	ONTARIO LIMITED	407803
408948	ONTARIO LIMITED	408948
409355	ONTARIO LTD.	409355
411602	ONTARIO LIMITED	411602
413524	ONTARIO LTD.	413524
417061	ONTARIO LIMITED	417061
417077	ONTARIO LIMITED	417077
418002	ONTARIO LIMITED	418002
418063	ONTARIO LIMITED	418063
418757	ONTARIO LIMITED	418757
420996	ONTARIO LIMITED	420996
423273	ONTARIO LIMITED	423273
424855	ONTARIO LTD.	424855
427475	ONTARIO INC.	427475
428874	ONTARIO LIMITED	428874
429657	ONTARIO INC.	429657
431440	ONTARIO INC.	431440
432221	ONTARIO LTD.	432221
434859	ONTARIO LIMITED	434859
436131	ONTARIO LIMITED	436131
436411	ONTARIO LIMITED	436411
443902	ONTARIO LIMITED	443902
443959	ONTARIO LIMITED	443959
447480	ONTARIO LIMITED	447480
447495	ONTARIO LIMITED	447495
447689	ONTARIO LTD.	447689
447757	ONTARIO INC.	447757
447791	ONTARIO LIMITED	447791
447793	ONTARIO LIMITED	447793
447902	ONTARIO LIMITED	447902
448200	ONTARIO INC.	448200
448337	ONTARIO INC.	448337
448412	ONTARIO LIMITED	448412
448457	ONTARIO LTD.	448457
448493	ONTARIO INC.	448493
448731	ONTARIO LIMITED	448731
448751	ONTARIO INC.	448751
448753	ONTARIO LIMITED	448753
448885	ONTARIO LIMITED	448885
448930	ONTARIO LIMITED	448930
448971	ONTARIO LTD.	448971
449055	ONTARIO LIMITED	449055
449082	ONTARIO INC.	449082
449139	ONTARIO INC.	449139
449516	ONTARIO LIMITED	449516
449547	ONTARIO LIMITED	449547
449579	ONTARIO LIMITED	449579
449655	ONTARIO LIMITED	449655

Name of Corporation	Ontario Corp. No.
449769 ONTARIO INC.	449769
449771 ONTARIO LIMITED	449771
449819 ONTARIO LIMITED	449819
449982 ONTARIO LIMITED	449982
450250 ONTARIO LIMITED	450250
450404 ONTARIO LIMITED	450404
450463 ONTARIO LIMITED	450463
450468 ONTARIO LIMITED	450468
450543 ONTARIO LIMITED	450543
450600 ONTARIO INC.	450600
451024 ONTARIO LIMITED	451024
451774 ONTARIO LIMITED	451774
452038 ONTARIO LIMITED	452038
453416 ONTARIO INC.	453416
454509 ONTARIO INC.	454509
454766 ONTARIO LIMITED	454766
455515 ONTARIO LIMITED	455515
456627 ONTARIO INC.	456627
457616 ONTARIO LIMITED	457616
458329 ONTARIO LIMITED	458329
461987 ONTARIO LIMITED	461987
462291 ONTARIO LIMITED	462291
462971 ONTARIO INC.	462971
465441 ONTARIO LTD.	465441
466257 ONTARIO LIMITED	466257
474075 ONTARIO LIMITED	474075
478727 ONTARIO LIMITED	478727
483143 ONTARIO LIMITED	483143
490266 ONTARIO LIMITED	490266
492770 ONTARIO LTD.	492770
495420 ONTARIO LIMITED	495420
515048 ONTARIO INC.	515048
777 INVESTMENT COMPANY LIMITED	467393

E. J. WELLS, LL.B.,
Director, Companies Branch.

Cancellation of Certificates of Incorporation

NOTICE IS HEREBY GIVEN that, under the *Co-operative Corporations Act*, the Certificates of Incorporation of the Co-operatives named hereunder have been cancelled by an Order dated April 26, 1984, for failure to comply with subsection 1 of Section 167 of the *Co-operative Corporations Act* and the said Co-operatives shall be dissolved on April 26, 1984.

Name of Co-operative	Ontario Corp. No.	Date of Incorporation
CO-OPERATIVE DISTRIBUTING CENTRE OF HAMILTON LIMITED	207707	Nov. 29, 1967
SILVERBIRCH CO-OPERATIVE INC.	369373	Nov. 9, 1977
SUDBURY ANGORA CO-OPERATIVE INC.	406725	May 31, 1979

T. T. ROBINS,
Director, Credit Unions and Co-operatives
Services Branch, Financial Institutions Division.

Erratum

Vide Ontario Gazette, Vol. 117-14, dated April 7th, 1984.

NOTICE IS HEREBY GIVEN that the notice of default in complying with the Corporations Tax Act issued under subsection 240 (1) of the *Business Corporations Act* set out in the issue of THE ONTARIO GAZETTE of April 7, 1984 with respect to Interface Incorporated was issued in error and is null and void.

E. J. WELLS, LL.B.,
Director, Companies Branch.

Marriage Act

CERTIFICATES OF REGISTRATION as persons authorized to solemnize marriage in the Province of Ontario have been issued to the following:

Mr. Albert Klaus Sommerfeld, Ariss; Mr. Thomas Henry Gurnick, Hannon; Rev. Elizabeth Jean Aime, Arthur; Keith Johnson Dowd, Gloucester; Mr. Raghunandan Persaud, Scarborough; Mr. Prabhashanker S. Joshi, Scarborough; Rev. Thomas William Zumbrock, Hanover; Rev. Frithjof Hagen Reinhardt, Leamington; Gijsbertus Nederveen, Brampton; Rev. Dan Lee Ondra, Mississauga; Mr. Charles Kovacs, Ottawa; Mr. George Ioannou, Islington; Mr. James Harry Horton, Grimsby; Rev. William Leonard Craig, Ottawa; Rev. Waldemar Gundrum, Scarborough; Rev. Mikolaj Czuras, Fort Frances; Rev. Lorne Francis Lee, Toronto; Rev. Jack Andy DeVries, Kakabeka Falls; Rev. Andre Joseph Lemelin, Welland; Rev. John R. Friesen, St. Catharines; Mr. David Gordon Fowler, Burlington; Mr. Chattar Singh Ahuja, Waterloo; Rev. Ignac Kubes, Toronto; Rev. Joseph Hajduk, Peterborough; Rev. Frank Hubert Whelan, Toronto; Rev. Karl deVries, Greensville; Rev. Gordon Howard Phillips, Kingston; Rev. Gordon Edward Mann, Halton Hills; Rev. Thomas Gemmell, Whitby; Mr. Amirali Jiwan Hirji, Willowdale; Mr. Paul S.C. Chao, Concord; Mr. Gregory Paul Males, Ilderton; Elder James Wilson, London; Mr. Edward Thomas Hodge, Shelburne; Rev. Herman Hofman, Kalamazoo, Michigan, U.S.A.; Rev. Rouman Milanoff, Thornhill; Rev. Royal David Schmidt, Willowdale; Rev. Robert Senechal, Deep River; Rev. Kenneth Gustave Simurro, Windsor; Mr. Randy James Williams, Athens; Rev. Glen Earl Snider, Waterloo; Pastor Timothy Mark Sauder, Cambridge; Rev. John Anthony Carrao, Mississauga; Rev. Marjorie Lois Hannah, Welland; Rev. Michel Legendre, Ottawa; Rev. Lionel Geoffrey Hopkins, Kitchener; Rev. Ann Elizabeth Tottenham, Toronto; Rev. Raymond Frank Skelton, Marmora; Rev. Soon-Kuk Kwon, St. Catharines; Rev. In-Chul Kim, Mississauga; Rev. James Robert Hagler, Toronto; Major Hedley Abram James Ivany, Ottawa; Rev. Mervyn Owen Thomas, Brampton; Pastor Barry Patrick Boucher, Ottawa; Rev. Gary Verdun Carter, St. Thomas; Rev. Gordon Sinclair Mills, Sudbury; Rev. Robert Joseph Schmidt, Sarnia; Rev. Yves Paul Fournier, Ottawa; Rt. Rev. Brinsley Dudley Dickson, Scarborough; Pastor James Richard Myer, Windsor; Rev. Freeman T. Hodgins, Hamilton.

CERTIFICATES OF REGISTRATION as persons authorized to solemnize marriage in the Province of Ontario under the *Marriage Act* for the listed persons are cancelled and revoked:

George Wilson, Nepean; Rev. Derek Alan MacDonald, Ottawa; President John George Willie,

Athens; Rev. Franeois Nadeau, Montreal, Quebec; Rev. Lloyd Murdoch Leadbeater, Fredericton, N.B.; Mr. David A. Schwartz, Hamilton; Envoy Percy Olds, London; Rev. Leslie Gerald Lurvey, Willowdale; Mr. Ronald William Abel, Shelburne; Mr. Barkat Ali, Thornhill; Mr. Abdulmohamed Ratansi, Toronto; Rev. Gregg Vincent Martin, Charlottetown, P.E.I.; Rev. Joseph Pierre Jacques Massicotte, Longueuil, Quebec; Rev. Danny Kaye Stephenson, London; Rev. Frederick Gustaf Beurling, Kingston; Rev. Joseph Dominic Fiorino, Ridgewood, New Jersey, U.S.A.; Rev. John Everson Nield, Pointe Claire, Quebec.

CERTIFICATES OF REGISTRATION as persons authorized to solemnize marriage in the Province of Ontario have been issued to the following:

Rev. Dewis Joseph Rector, Oxford, Nova Scotia (Temp.); Rev. Romeo Cormier, Victoria, New Brunswick (Temp.); Rev. Jean Noel Leguerrier, Montreal, Quebec (Temp.); Rabbi Martin Lloyd Goldberg, Buffalo, New York, U.S.A. (Temp.); Rev. William A. Kerr, Fairport, New York, U.S.A. (Temp.); Rev. Jean-Claude Lafleur, St. Augustin, Quebec (Temp.); Rev. Kevin John Jamieson, Granville Ferry, Nova Scotia (Temp.); Rev. Jacqueline K. Darby, Edmonton, Alberta (Temp.); Rev. Richard Joseph Murphy, Halifax, Nova Scotia (Temp.); Rabbi Abraham Weisman, New York, N.Y., U.S.A. (Temp.); Rev. Allan Henry Jongsma, De Motte, Indiana, U.S.A. (Temp.); Rev. Joseph Antoine LeBlanc, Saint John, N.B. (Temp.); Rev. John Strik, Clearbrook, B.C. (Temp.); Rev. Paul Peter Sabo, Buffalo, New York, U.S.A. (Temp.); Rev. Craig Randall Knight, Greenwood, Indiana, U.S.A. (Temp.); Rev. Adrianas Matthys Den Boer, Sioux Center, Iowa, U.S.A. (Temp.); Rev. Gorden Wilfrid Lanctot, Winnipeg, Manitoba (Temp.); Lieut.-Colonel Morgan Joseph Flannigan, Burnaby, B.C. (Temp.); Rev. Donald Terry MacIver, Winnipeg, Manitoba (Temp.); Rev. Carlito De Souza, Marion, Virginia, U.S.A. (Temp.); Rev. Michael John Doody, Cambridge, Mass., U.S.A. (Temp.); Rev. David McBriar, New York, New York, U.S.A. (Temp.); Mr. Lloyd Cooke, Oneida, New York, U.S.A. (Temp.); Rev. Byron Fenmore Howlett, Dartmouth, Nova Scotia (Temp.); Rev. Richard Holmes DeLorme, Aylmer, Quebec (Temp.); Rev. William Robert Hussey, Westmount, Quebec (Temp.); Rev. Robert Harold Paddock, Stephenville, N.B. (Temp.); Rev. Ronald Lawrence Beechinor, Saskatoon, Sask. (Temp.); Mr. William Frank Gurnett, Edmonton, Alberta (Temp.); Rev. Russell W. Breen, Montreal, Quebec (Temp.); Rev. Ernest Lloyd Munroe Clifton, Masset, B.C. (Temp.); Rev. Joseph Dominic Fiorino, Ridgewood, New Jersey, U.S.A. (Temp.); Rev. John Everson Nield, Pointe Claire, Quebec (Temp.); Mr. L. Archdekin, Brampton.

R. E. DRAPKIN,
(4654) 19 Deputy Registrar General.

Applications to Parliament — Private Bills

PUBLIC NOTICE

LEGISLATIVE ASSEMBLY OF ONTARIO

The attention of Municipal Officials, Solicitors and all other persons who may be interested in the preparation of Private Bills for submission to the Legislative Assembly of Ontario is directed particularly to the following Standing Orders governing the submission of such Bills:

NOTE: The previous Standing Orders of the Legislative Assembly have been repealed and the following put into effect by Order of the House passed on Thursday, December 14th, 1978, and on Tuesday, May 13th, 1980.

Attention is drawn to the more important changes:—

- No time limit.
- No penalties for late filing.
- Required notice of advertising reduced to four weeks from six weeks.

PRIVATE BILLS

Filing Bill with Clerk

65. (a) Any person, group or corporation may apply for a Private Bill by filing with the Clerk of the House a copy of the Bill together with a fee of \$150.00.

Applicant to pay cost of printing

(b) Every applicant for a Private Bill shall pay the cost of printing the Bill, including the cost of printing the Act in the annual Statutes.

Other charges

(c) Where a Standing Order is suspended with reference to a Bill, a charge of \$50.00 shall be levied.

Additional fees

(d) Where a Bill incorporates a company, or increases the capital stock of a company already incorporated, there shall be paid to the Clerk of the House, by or on behalf of the applicant, before the same is reported to the House, the same fee as would be payable in the case of an incorporation or increase of capital under The Business Corporations Act, less the sum of \$150.00 already paid to the Clerk of the House.

(e) When a Bill is for the purpose of confirming by-laws, bonds, debentures or other securities, or authority is asked to borrow money or to increase borrowing powers, the following additional fees shall be paid according to the amount of money involved:—

On amounts less than \$10,000	\$ 25
On amounts over \$10,000 and up to \$25,000	50
On amounts over \$25,000 and up to \$40,000	75
On amounts over \$40,000 and up to \$75,000	100
On amounts over \$75,000 and up to \$125,000	125
On amounts over \$125,000 and up to \$175,000	150
On amounts over \$175,000 and up to \$250,000	200
On amounts over \$250,000 and up to \$350,000	250
and an additional fee of \$50 for every \$100,000 over \$350,000.	

Publication of Standing Orders re Private Bills

(f) The Clerk of the House shall publish weekly in *The Ontario Gazette* the Standing Orders respecting applications for Private Bills.

Required notice of applications

(g) Notice of an application for a Private Bill shall be given before it is referred to a Standing Committee by publishing it once a week for at least four weeks in each of *The Ontario Gazette* and one newspaper circulated in the municipality most affected and the notice shall,

- (i) be signed by or on behalf of the applicant;
- (ii) clearly state the nature and object of the application;
- (iii) when the application refers to any proposed work, indicate generally the location of the work; and

Bills for debenture issues

(iv) where the application is by a municipal corporation for authority to issue debentures, set out the particulars of the existing debenture debt and the amount of the rateable property of the municipality according to the last revised assessment roll of the corporation and in brief and general terms, the object for which the new issue of debentures is required.

Clerk reports to Standing Procedural Affairs Committee

66. (a) The Clerk of the House shall refer to the Standing Procedural Affairs Committee any application that, in his opinion, does not comply with the Standing Orders.

Declaration re advertising

(b) The applicants for a Private Bill shall lodge with the Clerk of the House a declaration proving publication of the notice.

Letters Patent

67. When any Bill for confirming any Letters Patent, or Agreement, is presented to the House, the copy of such Charter or Agreement, shall be attached to it.

Certificate of Minister of Revenue re Letters Patent

68. No Bill relating to the status of a corporation shall be considered by any Committee until there

has been deposited with the Clerk of the House a certificate of the Minister of Revenue showing that all taxes payable under The Corporations Tax Act in respect of the corporation have been paid.

Reference to Standing Committee after first reading. Exceptions

69. Every Private Bill when read a first time, shall, unless it is an Estate Bill, or a Bill providing for a consolidation of a floating debt or for the consolidation or renewal of debentures (other than local improvement debentures) of a municipal corporation, stand referred to the appropriate Standing Committee, and any Petitions to the House for or against the Bill stand referred to any such Committee.

Certain Municipal Applications referred to Ontario Municipal Board

70. (a) A Private Bill of a municipal corporation providing for the consolidation of a floating debt, or the consolidation or renewal of debentures (other than local improvement debentures) stand referred to the Ontario Municipal Board after first reading.

Board to report

(b) The Board, after due enquiry, shall report to the House whether or not it is reasonable that the Bill, or that part thereof relating to the matters referred to in clause (a), should pass and what, if any, alterations should be made in the Bill.

Report to Clerk

(c) A report shall be transmitted to the Clerk of the House.

Bill and report to Standing Committee

(d) The Bill and report shall stand referred to the appropriate Standing Committee.

Estate Bills referral

71. (a) Every Estate Bill or part of a Bill that contains an Estate Bill provision stands referred to the Commissioners of Estate Bills after first reading.

Report of Commissioners

(b) The Commissioners of Estate Bills, or any two of them, shall report their opinion on the Bill or the part thereof that has been submitted to them, and whether, presuming the allegations contained in the Preamble to be proven to the satisfaction of the House, it is reasonable for the Bill or the part thereof to pass and what, if any, alterations are necessary.

Report sent to Clerk

(c) A report of the Commissioners of Estate Bills shall be transmitted to the Clerk of the House.

Effect of adverse report

(d) Where the Commissioners of Estate Bills report that, in their opinion, it is not reasonable that the Bill or the part thereof submitted to them pass into law, the Bill or the part thereof shall not be further considered.

Bill and report to Committee

(e) Where the Bill or the part thereof submitted to the Commissioners of Estate Bills is reported favourably by the Commissioners, the Bill and the report shall stand referred to the appropriate Standing Committee and where only part of a Bill is submitted to the Commissioners and the Commissioners report that, in their opinion, it is not reasonable that the part pass into law, the Bill, except for the part to which the report applies, shall stand referred to the appropriate Committee.

Notice re Hearing by Standing Committee

72. (a) The Clerk of the House shall post on all notice boards five days notice of the date on which any Private Bill is to be considered by a Committee and the notice shall be published in the Notice Paper.

Notice of Next Day Meetings on Private Bills

(b) The Clerk shall also publish in the Notice Paper a notice of any meeting of a Committee to consider Private Bills to be held on the following day.

Consent of interested persons

73. Any person whose interest or property may be affected by a Private Bill, when required, shall appear before the Committee considering the Bill to express his consent or objection, or may consent in writing, proof of which may be demanded by the Committee.

On Order Paper after report

74. Private Bills when reported by Standing Committees shall be placed on the Order Paper for second reading.

Bills initialled and signed by Chairman

75. (a) The Chairman of a Committee considering a Private Bill shall initial each section of the Bill as it is passed and sign the Bill.

Amendments

(b) Amendments shall be clearly indicated in the signed copy, and the amendments or additions shall be initialled by the Chairman.

Reprinting amended Bills

76. Private Bills amended by a Committee or the Commissioners may be reprinted before further consideration as the Clerk of the House may direct and the applicant shall pay the cost of printing the Bill.

Referral after second reading

77. Private Bills, after second reading, shall be ordered for third reading, unless specially ordered referred to the Committee of the Whole House.

Notice required to dispense with Standing Orders

78. Except by unanimous consent of the House given in case of urgent and pressing necessity, no

motion may be made to dispense with any Standing Order relating to Private Bills without due notice thereof.

Private Bill Register

79. A Private Bill Register shall be kept in the office of the Clerk of the House, in which shall be entered, by the Clerk appointed for that purpose, the name, description, and place of residence of the parties applying for the Bill, or of their agent, and all the proceedings thereon, such register to be open to public inspection daily, during office hours.

Parliamentary Agents

80. (a) Every Parliamentary Agent conducting proceedings before the House is personally responsi-

ble to the House and to the Speaker for the observance of the Standing Orders and Practices of Parliament, and also for the payment of all fees and charges.

Misconduct of Agent

(b) Any agent who wilfully acts in violation of the Standing Orders and Practices of Parliament, or who wilfully misconducts himself in prosecuting any proceedings before the House, is liable to an absolute or temporary prohibition to practise as a Parliamentary Agent, at the pleasure of the Speaker.

RODERICK LEWIS, Q.C.,

Clerk of the Legislative Assembly of Ontario.

Petitions to Parliament

Extract from the rules respecting the presentation of petitions

Form

29. (c) Petitions may be either written or printed and only the original, properly signed, and addressed to the Lieutenant Governor and the Legislative Assembly need be presented.

May not be
signed by
solicitor.
Exceptions

(d) Petitions may not be signed by a solicitor as such, unless he is acting for a petitioner unable to sign due to absence from the Province or illness, and only then if the solicitor holds a Power of Attorney to be produced to the Clerk of the House if required.

Members
responsible
for contents

(e) Members presenting petitions are answerable that they do not contain any improper matter.

No petitions
for expendi-
ture of
public funds

(f) No petition can be received which prays for any expenditure, grant or charge on the public revenue, whether payable out of the Consolidated Revenue Fund, or out of moneys to be provided by the House.

SAMPLE FORM FOR PETITIONS

*To the Honourable the Lieutenant Governor and the
Legislative Assembly of Ontario:*

We, the undersigned, beg leave to petition the Parliament of Ontario, as follows:

NOTE: The subject of the Petition must relate to a grievance within the competence of the Assembly to remedy and must not pray for any expenditure, grant or charge on the public revenue.

The Member of the House presenting the Petition for the petitioners must endorse his name thereon and be answerable that it contain no improper matter.

RODERICK LEWIS, Q.C.,

Clerk of the Legislative Assembly of Ontario.

Applications to Parliament

THE CORPORATION OF THE CITY OF WINDSOR

APPLICATION FOR PRIVATE LEGISLATION

NOTICE IS HEREBY GIVEN that on behalf of The Corporation of the City of Windsor application will be made to the Legislative Assembly of the Province of Ontario at its next regular session commencing in 1984 for an Act

- (1) (a) to require that the owner or operator of a public garage used as a motor vehicle repair shop shall not commence repair of a motor vehicle until the customer has been provided with,

- (i) a written statement that the cost of repairs and parts will not exceed \$30 where the estimated cost of repairs and parts is \$30 or less; or
- (ii) a written estimate of the cost of repairs and parts where the estimated cost of repairs and parts is more than \$30.

(2) The customer in writing may authorize the owner or operator to effect repairs and supply parts in an amount not exceeding a stipulated sum of money.

(3) The operator shall not charge for work done or parts supplied in excess of the written estimate or in excess of the stipulated limit stated by the customer without the written or oral consent of the customer.

(4) If the customer is informed that the cost of repair will exceed the written estimate or the stipulated limit and the customer does not wish the repair work performed, the customer is liable for all reasonable costs incurred in returning the motor vehicle to a condition it was in when it entered the public garage and the customer shall be given an itemized, written statement of such work.

(5) If the estimated price or stipulated limit is exceeded by not more than ten per cent, the written or oral consent of the customer for the excess charge need not be obtained.

(6) This section does not apply where the customer requests and executes a release, in writing, of the requirements of this Section or of a by-law passed under this Section.

2.—(1) That the Council of the Corporation may pass by-laws

- (a) for prescribing standards for the cutting of grass on occupied and vacant property and on that part of the street right-of-way extending from the property line to the curb or, where there is no curb, to the edge of the travelled portion of the highway;
- (b) for requiring that the owners or tenants of land in the City of Windsor shall keep the lands surrounding all buildings or structures free and clear from debris or refuse and to cut the grass in accordance with prescribed standards and to keep vacant lands free and clear

of debris or refuse and cut the grass in accordance with prescribed standards and to keep the street right-of-way, extending from the property line to the curb or, where there is no curb, to the edge of the travelled portion of the highway, free and clear of debris and to cut the grass thereon in accordance with prescribed standards and to keep the alley and lanes alongside or at the rear of lands free and clear of debris or refuse.

(2) If, after inspection, an officer, meaning a person from time to time designated by the Council of the Corporation to enforce the provisions of a by-law passed under this provision, is satisfied that in some respect the property does not conform with the standards prescribed in the by-law, a notice shall be served or sent by certified mail to the owner or tenant of the property containing particulars of the non-conformity.

(3) After affording any person served with a notice provided for in subsection (2) an opportunity to appear before the officer and to make representations in connection therewith, the officer may make and serve or cause to be served upon or sent by certified mail to such person an order containing

- (a) the municipal address or legal description of such property;
- (b) a direction that lands, alleys or lanes are to be cleared of all debris or refuse and the cutting of the grass and the period in which there must be compliance with the terms and conditions of the direction and notice that if such clearing of debris or refuse and cutting of grass is not so done within the time specified in the order, the municipality may carry out the clearing of the debris or refuse and the cutting of the grass at the expense of the owner or tenant.

(4) A notice or order under subsections (2) or (3) when sent by certified mail shall be sent to the last known address of the person to whom it is sent, and if the officer is unable to effect service, he shall place a placard containing the terms of the notice or order in a conspicuous place on the property and the placing of the placard shall be deemed to be sufficient service of the notice or order upon the owner or tenant.

(5) Where the municipality removes debris or refuse or cuts the grass, the municipality may recover the expense incurred in respect thereof by any and all the methods prescribed in Section 325 of the *Municipal Act*.

(6) Section 2 of the *City of Windsor Act, 1956* will be repealed.

3. The Council of the Corporation may pass by-laws for requiring and regulating the posting of signs in those school buses and in those parts of buildings and structures to which the public has access advising the public that smoking is prohibited in school buses and in all or part of such buildings or structures, and the municipality shall have the power to inspect, at any reasonable time, school buses and those parts of buildings or structures to which the by-law applies.

4. The *City of Windsor Act, 1982*, providing for the payment of the whole or part of the cost of the Ontario

Health Insurance Plan and of any supplementary health insurance plan, is amended to clarify that the coverage includes retired employees, their spouses and dependants, and the spouses and dependants of deceased employees.

5.—(1) The municipality may pass by-laws for licensing, regulating and governing persons whose names are entered on the assessment roll for the first time in respect of business assessment and who offer goods, wares or merchandise for sale, and sales persons who assist transient traders and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment.

(2) By-laws may be passed for requiring the payment of a licence fee by sales persons who assist transient traders and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment.

(3) The fee to be paid for licence in the case of a transient trader and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment who offer goods, wares or merchandise for sale shall be equal to one-half of one per cent of the regular retail value or merchandise made available for sale at a sales event, provided, however, that the fee shall not be less than \$500 and not more than \$5,000, and the fee to be paid for licence in the case of sales persons who assist transient traders and other persons whose names are not entered on the assessment roll or are entered on it for the first time in respect of business assessment shall be \$100. "Sales event" means the sale of goods on the number of days, excluding Sundays and holidays, listed on the application filed with the Licence Commissioner, provided, however, that a sales event conducted by a transient trader shall not exceed 90 days.

(4) The section does not apply to the sale of stock of a bankrupt or an insolvent within the meaning of any Bankruptcy or Insolvency Act in force in Ontario, nor to the sale of any stock damaged by or by reason of fire which is being sold or disposed of within the municipality in which the business is carried on at the time of bankruptcy, insolvency or fire so long as no goods, wares or merchandise are added to such stock.

(5) The sum paid for a licence shall be credited to the person paying it, or to any bona fide purchaser of the business who carries on the business on account of taxes payable in respect of the business and in respect of real property taxes on the land used for the purpose of, or in connection with the business if the land is owned by the person carrying on the business during the year in which the licence was issued and five years thereafter.

This application will be considered by a Standing Committee of the Legislative Assembly. Any person

who has an interest in the application and who wishes to make submissions, for or against the application, to the Standing Committee should notify, in writing, the Clerk of the Legislative Assembly, Queen's Park, Toronto, Ontario, M7A 1A2.

Dated at Windsor, this 11th day of April, 1984.

A. S. KELLERMAN,
Solicitor,
The Corporation of the
City of Windsor.

(7079) 17 to 20

THE REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

ONTARIO LEGISLATIVE ASSEMBLY NOTICE OF APPLICATION FOR PRIVATE LEGISLATION

NOTICE IS HEREBY GIVEN that on behalf of The Regional Municipality of Hamilton-Wentworth, application will be made to the Legislative Assembly of the Province of Ontario at its present Session for a private Act to:

1. Revise the composition of the Regional Board of Commissioners of Police for the appointment of three members by Regional Council and two members by the Lieutenant-Governor-in-Council, and
2. To provide for the collection of payments for arrears of water rates owing to the Regional Corporation, in the same manner and with the same legal remedies as are available for the collection of arrears of realty taxes, including the right to sell lands for such water arrears, and
3. To provide that no person may obtain title by adverse possession to any lands owned and occupied by the Regional Corporation, and
4. To provide for the election of the Chairman of the Regional Council by the electors entitled to vote in the area municipal elections commencing November, 1985.

This Application will be considered by a Standing Committee of the Legislative Assembly. Any person who has an interest in the Application and who wishes to make submissions, for or against the Application, to the Standing Committee should notify, in writing, the Clerk of the Legislative Assembly, Queen's Park, Toronto, Ontario, M7A 1A2.

Dated at Hamilton, Ontario, this 17th day of April, 1984.

THE REGIONAL MUNICIPALITY
OF HAMILTON-WENTWORTH,
119 King Street West,
15th Floor,
P.O. Box 910,
Hamilton, Ontario L8N 3V9.

(7097) 18 to 21

APPLICATION TO
THE LEGISLATIVE ASSEMBLY OF ONTARIO
BY
THE CORPORATION OF THE CITY OF NEPEAN

NOTICE IS HEREBY GIVEN, on behalf of the Corporation of the City of Nepean, that application will be made to the Legislative Assembly of Ontario at its current session or at its next regular session for special legislation,

- (a) vesting the authority now possessed by the Board of Commissioners of Police of the City of Nepean to pass by-laws to license and to regulate and govern any trade, calling, business or occupation or the person or persons carrying on or engaged therein, in the Council of the Corporation;
- (b) authorizing the Council of the Corporation of the City of Nepean, after holding a hearing, to suspend or revoke any such licence;
- (c) authorizing the Chief Licence Inspector of the City of Nepean to suspend any such licence for a period of two weeks or until the next meeting of the Council of the Corporation of the City of Nepean, whichever first occurs.

This application will be considered by a Standing Committee of the Legislative Assembly. Any person who has an interest in the application and who wishes to make submissions, for or against the application, to the Standing Committee should notify, in writing, the Clerk of the Legislative Assembly, Queen's Park, Toronto, Ontario M7A 1A2.

Dated at the City of Nepean, this 12th day of May, 1984.

BELL, BAKER,
Barristers and Solicitors,
500-116 Lisgar Street,
Ottawa, Ontario K2P 0C2,
Solicitors for the Applicant,
The Corporation of the
City of Nepean.



CORPORATION OF THE CITY OF NEPEAN, 3825 Richmond Rd., Nepean, Ontario K2H 5C2

(7184) 19 to 22

NOTICE OF APPLICATION FOR SPECIAL LEGISLATION

NOTICE IS HEREBY GIVEN that on behalf of The Madawaska Club Limited application will be made to the Legislative Assembly of the Province of Ontario at its next regular session commencing in 1984 for an Act to amend the Letters Patent dated the 6th day of October, 1952, granting to The Madawaska Club Limited all those certain parcels or tracts of land and premises situate, lying and being in the Township of Georgian Bay in the District Municipality of Muskoka containing 1124 and 5/10ths acres more or less and being composed of broken lots numbers 46, 47, 48 all in the Ninth Concession, numbers 43, 44, 45, 46, 47, 48, 49, 50 all in the Tenth Concession, numbers 43, 44, 45, 46 all in the Eleventh Concession, numbers 43, 44, 45, 46 all in the Twelfth Concession and Number 46 in the Thirteenth Concession in the said Township of Georgian Bay as shown on Plan M-163 filed in the Office of Land Titles at Bracebridge, being the whole of Parcel 10622, by striking out the provisions in the said Letters Patent to the effect that, while there may

be transfers of particular portions of the said lands from one shareholder of the Club to another shareholder therein, no person not connected with The University of Toronto or The School of Practical Science in the manner and to the extent defined in the Charter of the said Club, other than those specified in the said Charter, shall acquire any interest in any of the said lands and that any of the said lands conveyed or leased in disregard of such provision shall thereby become forfeited to the Crown.

This application will be considered by a Standing Committee of the Legislative Assembly. Any person who has an interest in the application and who wishes to make submissions, for or against the application, to the Standing Committee should notify, in writing, the Clerk of the Legislative Assembly, Queen's Park, Toronto, Ontario M7A 1A2.

Dated at Toronto, Ontario, this 27th day of April, 1984.

THE MADAWASKA CLUB LIMITED
By W. J. CLARK,
President

(7185) 19

Corporation Notices

492757 ONTARIO LIMITED

NOTICE IS HEREBY GIVEN that 492757 Ontario Limited intends to apply under the *Business Corporations Act*, 1982 for Articles of Dissolution.

Dated at Ottawa, this 24th day of April, A.D. 1984.

(7152) 19

ASSOCIATION POUR LES SERVICES PRÉSCOLAIRES D'OTTAWA-CARLETON

NOTICE IS HEREBY GIVEN that the number of directors of Association pour les services préscolaires d'Ottawa-Carleton was increased from seven to fifteen by a special resolution which was confirmed by the members of the Corporation on the fourth day of April, 1984.

Dated this 24th day of April, 1984.

(7153) 19 JEANNINE PELLETIER,
Secretary.

NOTICE IS HEREBY GIVEN that Conair Canada, Limited intends to dissolve pursuant to the *Business Corporations Act*, 1982.

Dated at Toronto, this 26th day of April, 1984.

(7154) 19 LAWRENCE KEENAN,
President.

NOTICE IS HEREBY GIVEN that Linya Inc. intends to file Articles of Dissolution with the Ministry of Consumer and Commercial Relations and to distribute its assets rateably amongst its shareholders as incidental thereto.

Dated at Toronto, this 18th day of April, 1984.

(7155) 19

C.M. PARRISH AND ASSOCIATES LIMITED

NOTICE IS HEREBY GIVEN that C.M. Parrish and Associates Limited intends to dissolve pursuant to the provisions of the *Business Corporations Act*, 1982.

Dated this 19th day of April, 1984.

(7156) 19 MARGARET E. PARRISH,
Secretary.

LISTOWEL SILO & TILE LIMITED

NOTICE IS HEREBY GIVEN that Listowel Silo & Tile Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Moorefield, Ontario, this 24th day of April, 1984.

(7157) 19 FRASER ALEXANDER DONALDSON,
President.

SALANA SERVICES LIMITED

NOTICE IS HEREBY GIVEN that Salana Services Limited intends to dissolve, pursuant to the *Business Corporations Act*, 1982.

Dated at Cambridge, Ontario, this 25th day of April, 1984.

(7158) 19 HELEN JOAN ARTHUR,
Secretary.

411236 ONTARIO LIMITED

NOTICE IS HEREBY GIVEN that 411236 Ontario Limited intends to dissolve pursuant to the *Business Corporations Act*, 1982.

Dated at Ottawa, Ontario, this 27th day of April, 1984.

(7159) 19

LORRD'S MEN'S SHOPS LIMITED

NOTICE IS HEREBY GIVEN that Lorrd's Men's Shops Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Toronto, this 1st day of May, 1984.

(7160) 19 FRED CHAPNICK,
Secretary.

TULA FASHIONS LIMITED

NOTICE IS HEREBY GIVEN that Tula Fashions Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations of Ontario pursuant to the *Business Corporations Act*.

Dated at Windsor, Ontario, this 12th day of April, 1984.

(7161) 19 ESTHER LAURIE,
President.

NOTICE IS HEREBY GIVEN that Granny's Country-Oven Bakery Limited intends to dissolve pursuant to the *Business Corporations Act* (Ontario).

(7162) 19 STEWART E. GREEN,
Secretary.

NOTICE IS HEREBY GIVEN that Frishling & Associates Inc. intends to dissolve by filing Articles of Dissolution with the Minister of Consumer and Commercial Relations, pursuant to the *Business Corporations Act* (Ontario).

Dated at Toronto, this 24th day of April, 1984.

(7163) 19

NOTICE IS HEREBY GIVEN that Miller Wash and Dry Stores Limited intends to file Articles of Dissolution with the Minister of Consumer and Commercial Relations for the Province of Ontario requesting that the Minister issue a certificate dissolving the Corporation.

Dated at London, this 26th day of April, 1984.

(7164) 19 Secretary of the Corporation.

F & S PROPERTIES LIMITED

NOTICE IS HEREBY GIVEN that F & S Properties Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial

Relations, pursuant to the *Business Corporations Act*, 1982.

Dated at Ottawa, Ontario, this 26th day of April, 1984.

(7165) 19 PHOEBE W. SIM,
Secretary-Treasurer and Director.

CELEBRITY HANDBAGS LIMITED

NOTICE IS HEREBY GIVEN that Celebrity Handbags Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the *Business Corporations Act*.

Dated at Toronto, this 21st day of April, 1984.

(7166) 19 FRANK KATANA,
President.

NOTICE IS HEREBY GIVEN that K.A.E. Investments Limited intends to dissolve pursuant to the *Business Corporations Act*, 1982.

Dated at Massey, Ontario, this 25th day of April, 1984.

(7167) 19 JEAN LANG,
Secretary.

372531 ONTARIO LIMITED

NOTICE IS HEREBY GIVEN that 372531 Ontario Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated this 27th day of April, 1984.

(7168) 19 CATHERINE BINDER,
President.

CRYSTAL RADIO OF CANADA LIMITED

NOTICE IS HEREBY GIVEN that Crystal Radio of Canada Limited intends to dissolve pursuant to the *Business Corporations Act*, 1982.

Dated this 28th day of October, 1983.

(7169) 19 ALLAN B. MCLEOD,
President.

583668 ONTARIO LIMITED

NOTICE IS HEREBY GIVEN that 583668 Ontario Limited intends to dissolve pursuant to the *Business Corporations Act*, 1982.

(7170) 19 DAVID SUTIN,
Secretary.

SUPERBEL INVESTMENTS LIMITED

Superbel Investments Limited hereby gives notice of its intention to dissolve, pursuant to the provisions of the *Business Corporations Act*, 1982.

Dated at Toronto, this 24th day of April, 1984.

(7171) 19 ISABEL GUNTHER,
Secretary.

TAKE NOTICE that R.I.S.A. Group Limited intends to dissolve by filing Articles of Dissolution pursuant to the *Business Corporations Act*, 1982.

Dated at Toronto, Ontario, this 12th day of May, 1984.

(7172) 19

TAKE NOTICE that Jodi Pape Inc. intends to dissolve under the provisions to the *Business Corporations Act*.

(7173) 19 JODI PAPE,
President.

JEFFS PRINTING LIMITED

NOTICE IS HEREBY GIVEN that Jeffs Printing Limited intends to dissolve pursuant to the *Business Corporations Act*, 1982.

Dated this 23rd day of April, 1984.

(7174) 19 ELIZABETH JEFFS,
Secretary-Treasurer.

NOTICE IS HEREBY GIVEN that Nanjill Investments Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Toronto, this 25th day of April, 1984.

(7175) 19 MARVIN GOLDBLATT,
Secretary.

JAMES L. COOKE CORPORATION

NOTICE IS HEREBY GIVEN that James L. Cooke Corporation intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the *Business Corporations Act*.

Dated this 12th day of May, 1984.

(7176) 19

CLINICAL RESEARCH COMPUTING UNIT OF TORONTO

NOTICE IS HEREBY GIVEN that Clinical Research Computing Unit of Toronto intends to surrender its Charter to the Lieutenant Governor.

Dated at Toronto, this 2nd day of March, 1984.

(7186) 19 WILLIAM CASS,
President.

390191 ONTARIO LIMITED

NOTICE IS HEREBY GIVEN that 390191 Ontario Limited intends to dissolve pursuant to the *Business Corporations Act*, 1982.

Dated at Toronto, this 27th day of April, 1984.

(7187) 19 RALPH DOERR,
Secretary.

NOTICE IS HEREBY GIVEN that Walker Road Holdings Limited intends to dissolve pursuant to the *Business Corporations Act*, 1982.

Dated this 24th day of April, 1984.

(7188) 19 DR. GEORGE MOLLER,
President.

WINDSOR CHILDBIRTH ORGANIZATION

HEREBY TAKE NOTICE that by a Special Resolution passed by the Directors and confirmed at a general

meeting of the members of the Corporation on the 24th day of February, 1984, the head office was changed from 12329 Riverside Drive East, Tecumseh, Ontario to 12984 Dillon Street, Tecumseh, Ontario.

Dated this 24th day of February, 1984.

LYNN BAKER,
President.

(7189) 19 ALICE ANN MELOCHE,
Secretary.

NOTICE IS HEREBY GIVEN that Cerac Ontario Limited intends to dissolve pursuant to the *Business Corporations Act*.

Dated at Cornwall, this 8th day of February, 1983.

(7190) 19 PAULETTE TESSIER,
Secretary.

THE PROMOTION STUDIO LIMITED

NOTICE IS HEREBY GIVEN that this Corporation intends to file Articles of Dissolution.

Dated this 30th day of April, 1984.

(7191) 19 CHRISTOPHER W. LEHMAN,
President.

573178 ONTARIO LIMITED NOTICE

NOTICE IS HEREBY GIVEN that 573178 Ontario Limited intends to dissolve by filing Articles of Dissolution with the Ministry of Consumer and Commercial Relations, pursuant to the *Business Corporations Act*, 1982.

Dated this 3rd day of May, 1984.

(7192) 19

NOTICE OF SPECIAL RESOLUTION CHANGING NUMBER OF DIRECTORS

NOTICE IS HEREBY GIVEN that by special resolution which became effective on the 25th day of January, 1984, the number of directors of K-W Oktoberfest Inc. was decreased from fifty-two (52) to forty-nine (49).

(7193) 19 PAUL T. HAGARTY,
Secretary.

Dissolution of Partnership

S. L. MacDougall, O.L.S. wishes to announce his withdrawal from the partnership of MacDougall & Wilson effective April 1st, 1984, and is carrying on the business of an Ontario Land Surveyor at 165 Great Northern Road, Sault Ste. Marie, Ontario P6B 4Y9. (705) 253-2471.

(7194) 19

Change of Name Act

TAKE NOTICE that an application will be made on behalf of Karen Lynn Paton, to the presiding Judge at the Court House, 245 Windsor Avenue, Windsor, Ontario, on Wednesday, the 11th day of July, 1984,

for an Order changing the name of her infant, Jeffrey Francis Peach, to Jeffrey Francis Paton.

Dated at Windsor, this 19th day of April, 1984.

KAMIN, FISHER, BURNETT
& ZIRIADA,
Barristers and Solicitors,
42 Pitt St. W.,
Windsor, Ontario N9A 6R3,
Solicitors for the Applicant,
KAREN LYNN PATON.

(7177) 19

IN THE COUNTY COURT OF THE COUNTY OF SIMCOE

IN THE MATTER OF the *Change of Name Act*, R.S.O. 1980, c. 62 and amendments thereto; and

IN THE MATTER OF the application of Gwendolyn Gertrude LaDelle Minnikin to change her name to Gwendolyn Gertrude LaDelle Keenan.

TAKE NOTICE that an application will be made to the presiding Judge on behalf of Gwendolyn Gertrude LaDelle Minnikin at the Court House at 114 Worsley Street, in the City of Barrie, on Thursday, the 24th day of May at the hour of 10 o'clock in the forenoon or so soon thereafter as counsel can be heard for an Order:

1. Changing the name of the Applicant, Gwendolyn Gertrude LaDelle Minnikin to Gwendolyn Gertrude LaDelle Keenan.

(7178) 19 WILDMAN, MITCHELL,
Barristers & Solicitors,
40 Clapperton Street,
Barrie, Ontario L4M 4S9,
Solicitors for the Applicant.

TAKE NOTICE that an application will be made on behalf of Sandra Diana De Jong, 945 Greenbriar Avenue, in the City of Ottawa, Province of Ontario to the presiding Judge in Chambers at the Court House, 2 Daly Ave., Ottawa, Ontario in the Judicial District of Ottawa-Carleton on Tuesday, the 29th day of May, 1984 at 2.00 o'clock in the afternoon or so soon thereafter as this Motion may be heard to change the name of Sandra Diana De Jong to Sandra Diana Dee.

Dated at Ottawa, this 26th day of April, 1984.

(7179) 19 KURT W. ANDERS,
Barrister & Solicitor,
1580 Merivale Road,
Suite 201,
Ottawa, Ontario,
Solicitor for the Applicant.

NOTICE IS HEREBY GIVEN that the application of Aristotelis Moussikidis, of 4048 Trapper Crescent, Mississauga, to change his name to Telly Mason and the names of his wife, Marie Moussikidis, of the same address, to Marie Mason, and the name of his daughter, Stephanie Athena Moussikidis, of the same address to Stephanie Athena Mason, and the name of his son, Alexander Peter Moussikidis, of the same address to Alexander Peter Mason will be heard on Tuesday the 5th day of June, 1984, at 10.00 o'clock in the forenoon before the Presiding Judge at 7755 Hurontario St., Brampton, Ontario.

(7180) 19

**IN THE COUNTY COURT OF THE
JUDICIAL DISTRICT OF
NIAGARA SOUTH**

IN THE MATTER OF the *Change of Name Act*, R.S.O. 1980, c. 62, and amendments thereto;

AND IN THE MATTER OF the application of Dragica Rakocovic, of the City of Niagara Falls, in the Regional Municipality of Niagara, Student, to change her name from Dragica Paprica to Dragica Rakocovic.

NOTICE OF APPLICATION

TAKE NOTICE that an application will be made before The Honourable F. M. Griffiths, at the County Court House, 102 East Main Street, Welland, Ontario, on the 13th day of June, 1984, at the hour of 9:30 o'clock in the forenoon on behalf of Dragica Rakocovic, who resides at 4638 Pettit Avenue, Niagara Falls, Ontario in the Regional Municipality of Niagara, to change her name from Dragica Paprica to Dragica Rakocovic.

Dated at Niagara Falls, Ontario, this 30th day of April, 1984.

SLOVAK, SINCLAIR &
CROWE,
4786 Queen Street,
Niagara Falls, Ontario L2E 6V6,
Solicitors for the Applicant.

(7197) 19 to 21

Miscellaneous Notices

I hereby give notice that Creamer-Tolmacs Insurance Brokers Ltd. intend to change their name to Creamer-Tolmacs Insurance Agents Limited in compliance with the *Insurance Act*, R.S.O. 1980 and the regulations and amendments thereunder.

YOUNG, McNAMARA,
PER:

(7181) 19 RICHARD YOUNG.

HFC TRUST COMPANY

NOTICE IS HEREBY GIVEN that HFC Trust Company, a company having its Head Office in the City of Toronto, Province of Ontario, intends to make application to the Registrar of Loan and Trust Corporations for registration to transact the business of a trust company in Ontario as defined by the *Loan and Trust Corporations Act*.

Dated at Toronto, Ontario, this 2nd day of May, 1984.

BLAKE, CASSELS & GRAYDON,
Solicitors for the Applicant,
Suite 2500,
Commerce Court West,
(7182) 19 to 21 Toronto, Ontario M5L 1A9.

SALE OF UNCLAIMED SHIPMENTS CANADIAN NATIONAL RAILWAY COMPANY

EXPRESS CLAIMS DEPARTMENT

NOTICE IS HEREBY GIVEN that 455 CPC Pallets which are covered by Stellarton, N.S. to Toronto,

Ontario Pro 012 554 356, remaining unclaimed for the space of over three months as of April 12th, 1984 and still On Hand in Hamilton, Ontario, an Office of the Canadian National Railway Company (Express Division), will be sold at public auction to the highest bidder by Dan Craddock, Auctioneer, (Lic. No. 80-1, Co. of Dufferin), Orangeville Antiques and Sales, one mile west of Orangeville, Ontario, on Highway 9, Part lot 5, Concession No. 2, Port 2, Township of East Garafraxa, Ontario. Auction will start at 10:00 a.m. on June 21st, 1984, unless merchandise shall be called for before that date and all charges paid thereon.

Montreal, Quebec, April 17th, 1984.

E. PONZI,
Manager—Claims.

VENTES D'EFFETS NON-RÉCLAMÉS COMPAGNIE DES CHEMINS DE FER NATIONAUX DU CANADA RÉCLAMATIONS MESSAGERIES

Avis est par les présentes donné que 455 CPC palettes étant couverts par le Pro No. 012 554 356 de Stellarton, N.S. à Toronto, Ontario, restant non-réclamés pour une période de plus de 3 mois à compter du 12 avril, 1984, et en mains aux bureaux de la Compagnie des Chemins de Fer Nationaux du Canada, (Division des Messageries à Hamilton, Ontario). La marchandise sera vendue aux enchères publiques au plus haut enchérisseur par Dan Craddock, Directeur de la Vente (Lic. 80-1, Cté Dufferin), Orangeville, un mille à l'ouest d'Orangeville, Ontario, sur la Route No. 9, Part Lot 5, Concession 2, Port 2, Township of East Garafraxa, Ontario à 10:00 a.m., le 21 Juin, 1984, à moins que les dits effets ne soient réclamés, et tous les frais payés cette date.

Montréal, Québec, le 17 avril, 1984

Directeur-Réclamations,
(7195) 19 to 24 E. PONZI.

Sheriffs' Sales of Lands

UNDER AND BY VIRTUE OF an Execution out of the Supreme Court of Ontario, to me directed, against the goods and chattels, lands and tenements of Donald Murray Lockhart, Defendant, at the suit of Faye Elizabeth Lockhart, Plaintiff, I have seized and taken in execution all the right, title, interest and equity of redemption of the said Donald Murray Lockhart, defendant, in and to:

All and Singular that certain parcel or tract of land and premises situate, lying and being in the Township of Percy, in the County of Northumberland and being composed of Part of Lot 14, in Concession 5 of the said Township more particularly described in a Deed of Land (to uses) registered in the Registry Division of Northumberland East (No. 38) at 3.55 p.m., on January 11, 1977, as Number 87220.

On the premises is said to be erected a house described as being dark stained in colour, of frame construction, heated with oil and having no garage. The property is approximately 150 feet deep and 100 feet frontage.

All of which said right, title, interest and equity of redemption of Donald Murray Lockhart, Defendant, in the said lands and tenements, I shall offer for sale by Public Auction in my office Court House, 980 William St., Cobourg, Ontario, on Wednesday the 13th day of June, 1984, at the hour of 2.30 o'clock in the afternoon.

TERMS: Cash or certified cheque.

Deposit 10% of bid price at time of sale, (minimum \$500.00 or 10% whichever greater).

Ten days to arrange financing.

Other conditions as announced.

This sale is subject to cancellation up to the time of sale, without further Notice.

(7183) 19 KENNETH G. GORMAN,
Sheriff, County of Northumberland.

UNDER AND BY VIRTUE OF a Writ of Execution issued out of the County Court of the Judicial District of York, and to me directed, bearing date the 6th day of November, 1981, against the goods and chattels, lands and tenements of Barbara LaForest, at the suit of Baker Acceptance Corporation Limited, I have seized and taken in execution all the right, title, interest and equity of redemption of Barbara LaForest in and to:

All and Singular the certain parcel or tract of land and premises situate, lying and being in the Township of Pittsburgh, in the County of Frontenac, and being composed of part of the south-east part of Lot Number 18 in the Second Concession of the Township of Pittsburgh more particularly described as follows:

Commencing at the intersection of the westerly limit of Joyceville Road and the northerly limit of the King's Highway Number 2, as shown on a plan registered as Number 782 for the said Township of Pittsburgh in the Registry Office for the County of Frontenac:

Thence southwesterly along the said northerly limit of the King's Highway Number 2, a distance of Two Hundred and Eight and Thirty Seven one-hundredths feet (208.37') to the place of beginning;

Thence North 4 degrees 51 minutes, 40 seconds west a distance of Five Hundred and Ten feet (510');

Thence South 51 degrees, 33 minutes west a distance of Three Hundred feet (300');

Thence South 4 degrees, 51 minutes, 40 seconds east a distance of Five Hundred and Ten feet (510');

Thence North 51 degrees, 33 minutes, east along the said northerly limit of the King's Highway Number 2 a distance of Three Hundred feet (300') more or less to the place of beginning.

Said described parcel being the lands conveyed by Instrument registered as No. 165061 for the Township of Pittsburgh, County of Frontenac and shown in red on a sketch attached thereto.

On this property is said to be located a home with attached store and restaurant, and several cabins.

All of which said right, title, interest and equity of redemption of Barbara LaForest shall be offered for sale by public auction in my office, at the Court House, Court Street, Kingston, Ontario, on Monday, June 11th, 1984, at 1.00 o'clock in the afternoon.

Dated at Kingston, this 1st day of May, 1984.

TERMS: Cash or certified cheque.

Immediate payment of 10% of bid price at time of sale (Minimum \$500.00).

Thirty days to arrange financing.

Delivery on payment in full, failing which all payments are forfeited.

This sale is subject to cancellation up to time of sale without any further notice.

(7196) 19 A.J. WOODMAN,
Sheriff, County of Frontenac

Publications Under The Regulations Act

May 12th, 1984

NIAGARA ESCARPMENT PLANNING AND DEVELOPMENT ACT

O. Reg. 247/84.

Designation of Area of Development
Control.

Made—April 4th, 1984.

Filed—April 24th, 1984.

REGULATION TO AMEND REGULATION 683 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE NIAGARA ESCARPMENT PLANNING AND DEVELOPMENT ACT

1. Subparagraph i of paragraph 7 of the Schedule to Regulation 683 of Revised Regulations of Ontario, 1980, as remade by section 1 of Ontario Regulation 6/83, is revoked and the following substituted therefor:

- i. Beginning at the intersection of the easterly boundary of the Township of Melancthon and the northerly limit of the road allowance between lots 10 and 11 in Concession I;

Thence westerly along that northerly limit to the easterly limit of that part of the King's Highway known as No. 24;

Thence northerly along that easterly limit to the northerly limit of Lot 15 in Concession II;

Thence easterly along that northerly limit to a point distant 152.4 metres measured westerly from the northeasterly angle of that Lot 15;

Thence southerly and parallel with the easterly limit of that Lot a distance of 76.2 metres to a point;

Thence easterly and parallel with the northerly limit of that Lot a distance of 55.84 metres to a point;

Thence southerly and parallel with the easterly limit of that Lot to the northwesterly angle of a Plan registered in the Land Registry Office for the Registry Division of Dufferin (No. 7) as Number Melancthon 30A;

Thence southerly along the westerly limit of the said Plan to the southwesterly angle of the said Plan;

Thence westerly along the line between lots 14 and 15 in the said Concession to the northwesterly angle of Lot 1 as shown on a Plan registered in the said Land Registry Office as Number Melancthon 34;

Thence southerly along the westerly limit of that Lot to the southwesterly angle of that Lot;

Thence southerly to and along the westerly limits of lots 120, 119, 118, 117, 116 and 107 of the said Plan to the southwesterly angle of the said Lot 107;

Thence easterly along the southerly limit of lots 107 and 106 of the said Plan to a point distant 80.47 metres measured westerly from the easterly limit of the said Concession;

Thence southerly and parallel with that easterly limit to the southerly limit of Lot 27 of the said Plan;

Thence easterly along that southerly limit to the southeasterly angle of that Lot;

Thence southeasterly crossing the road allowance between the said concessions I and II to the southwesterly angle of Lot 14 in the said Concession I;

Thence easterly along the southerly limit of that Lot to the southeasterly angle of Lot 72 of the said Plan;

Thence northerly along the easterly limit of that Lot to the northeasterly angle of that Lot;

Thence northerly along the westerly limit of Lot 73 of the said Plan to the southerly limit of High Street;

Thence easterly along that southerly limit to the intersection with the southerly prolongation of the easterly limit of Lot 53 of the said Plan;

Thence northerly to and along that easterly limit to the southerly limit of Mill Street;

Thence northerly to and along the easterly limit of Lot 52 of the said Plan to the northerly angle of that Lot;

Thence southwesterly along the northerly limit of lots 52, 51, 50 and 49 of the said Plan

to the southeasterly angle of Lot 104 of the said Plan;

Thence northwesterly along the northeasterly limit of that Lot to the northwesterly angle of that Lot;

Thence northerly and parallel with the westerly limit of the said Concession to the northeasterly angle of Lot 30 of the said Plan;

Thence easterly along the southerly limit of Lot 15 in the said Concession to a point distant 91.44 metres measured easterly from the southwesterly angle of that Lot;

Thence northerly and parallel with the westerly limit of the said Lot to the southerly limit of the northerly half of that Lot;

Thence westerly along that southerly limit to the westerly limit of the said Concession;

Thence northerly along that westerly limit to the southwesterly angle of Lot 16 in the said Concession;

Thence westerly to and along the southerly limit of Lot 16 in Concession II to the easterly limit of the said Highway No. 24;

Thence northerly along that easterly limit to the northerly limit of Lot 17 in that Concession;

Thence easterly along the northerly limit of that Lot 17 to the northeasterly angle of that Lot;

Thence easterly along the prolongation of the northerly limit of that Lot 17 to the easterly boundary of the Township of Melancthon;

Thence southerly along that boundary to the place of beginning.

NORMAN W. STERLING
Provincial Secretary
for Resources Development

Dated at Toronto, this 4th day of April, 1984.

(4607)

19

INCOME TAX ACT

O. Reg. 248/84.

Taxable Income—Amount Prescribed under Section 6 of the Act.

Made—April 13th, 1984.

Filed—April 24th, 1984.

REGULATION MADE UNDER THE INCOME TAX ACT

TAXABLE INCOME—AMOUNT PRESCRIBED UNDER SECTION 6 OF THE ACT

1. For the purpose of subsection 6 (1) of the Act, the amount prescribed for the 1984 taxation year is the amount of \$2,026. O. Reg. 248/84, s. 1.

2. For the purpose of subsection 6 (2) of the Act, the amount prescribed for the 1984 taxation year is the amount of \$2,218. O. Reg. 248/84, s. 2.

3. This Regulation shall be deemed to have come into force on the 1st day of January, 1984.

(4608)

19

INCOME TAX ACT

O. Reg. 249/84.

Ontario Tax Credit System.

Made—April 13th, 1984.

Filed—April 24th, 1984.

REGULATION MADE UNDER THE INCOME TAX ACT

ONTARIO TAX CREDIT SYSTEM

1. For the purposes of clause 7 (1) (a) of the Act, premises included in the following kinds of institutions are not housing units:

1. An institution designated by Regulation under section 2 of the *Mental Hospitals Act*.
2. A "home for retarded persons" as defined in clause 1 (d) of the *Homes for Retarded Persons Act*.
3. A "sanatorium" as defined in clause 1 (f) of the *Sanatoria for Consumptives Act*.
4. A hospital for chronic patients listed under Group F hospitals or Group G hospitals in the Schedule to Regulation 863 of Revised Regulations of Ontario, 1980 made under the *Public Hospitals Act*.
5. A "satellite home" as defined in clause 1 (n) of Regulation 502 of Revised Regulations of Ontario, 1980 made under the *Homes for the Aged and Rest Homes Act*. O. Reg. 249/84, s. 1.

2. Where taxes for municipal and school purposes are paid in a year in respect of premises that are otherwise excluded from the definition of "housing unit" in clause 7 (1) (a) of the Act, such premises shall be regarded as a housing unit for the purposes of the Act by any individual who occupies and inhabits such premises and receives no financial assistance from any government body or agency to reduce the cost of his occupation in such premises. O. Reg. 249/84, s. 2.

3. For the purpose of subclause 7 (1) (c) (iv) of the Act,

- (a) amounts paid for commutation of statute labour pursuant to the *Statute Labour Act* or pursuant to a by-law passed under the authority of that Act;
- (b) amounts paid for fees charged by a school board and licence fees levied by a municipality in respect of mobile homes; and
- (c) taxes imposed under the *Local Services Boards Act* and levied under the *Provincial Land Tax Act*,

are prescribed. O. Reg. 249/84, s. 3.

4. For the purposes of clause 7 (1) (e) of the Act, the prescribed manner shall be by completing and filing

Form 1, or in the case of those who prefer the French language, Form 2, together with the return required under the Act with respect to the taxation year for which the deduction is claimed under subsections 7 (2) and (6) of the Act. O. Reg. 249/84, s. 4.

5. For the purpose of subsection 7 (4) of the Act, the students' residences set out in the Schedule hereto are prescribed. O. Reg. 249/84, s. 5.

6. Ontario Regulation 63/83 does not apply to any taxation year subsequent to the 31st day of December, 1982. O. Reg. 249/84, s. 6.

7. This Regulation shall be deemed to have come into force on the 1st day of January, 1983 and applies in respect of any taxation year of an individual ending on or after that date. O. Reg. 249/84, s. 7.

Form 1

Income Tax Act



ONTARIO TAX CREDITS

T1C (ONT.)

Basic guidelines for claiming Ontario Tax Credits appear on the reverse side of this form
The Ontario Ministry of Revenue administers a separate grant program for persons 65 years of age and older.
Persons eligible to claim these grants are not entitled to claim the Property or Sales Tax Credits, or the
Temporary Home Heating Credit on this form.

Calculation of Ontario Property and Sales Tax Credits for 1983

PROPERTY TAX CREDIT – See item 1 on the Reverse Side and Complete the Declaration Below.

Total Rental Payments in 1983	910		× 20%	=	
Property Taxes paid in 1983		920			
College Residence – claim \$25.00 – see item 1(f)		930			
Occupancy Cost (total of above three lines) – see item 1(d)		940			
Enter \$180.00 or 'Occupancy Cost' (line 940), whichever is less					
Add: 10% of 'Occupancy Cost' (line 940)					
Total Property Tax Credit					

SALES TAX CREDIT – 1% of 'Total Personal Exemptions' (line 45 on page 2 of your return) – see item 2

Total of above credits		(A)
ENTER 2% of 'Taxable Income' (line 62 on page 2 of your return) or if Taxable Income is \$1,986.00 or less, enter "NIL"		(B)
NET PROPERTY AND SALES TAX CREDITS – Subtract Amount (B) from Amount (A).		
If Amount (B) is greater than Amount (A), enter "NIL".		(C)
ENTER Amount (C) or \$500.00, whichever is less, on line (D)		(D)

Calculation of Ontario Temporary Home Heating Credit for 1983 (See item 3 on Reverse Side)

Basic Heating Credit for 1983	20	00
ENTER 1% of 'Taxable Income' (line 62 on page 2 of your return) or if Taxable Income is \$1,986.00 or less, enter "NIL"	(E)	
NET TEMPORARY HOME HEATING CREDIT – Subtract Amount (E) from \$20.00. If Amount (E) is greater than \$20.00, enter "NIL"		
(F)		
NET PROPERTY AND SALES TAX CREDITS AND TEMPORARY HOME HEATING CREDIT – Add Amounts (D) and (F).		
(G)		

Calculation of Ontario Political Contribution Tax Credit for 1983

Attach official receipts to this form otherwise your claim will be rejected.

Total Ontario Political Contributions in 1983	950	
Allowable credit – 75% of first \$100.00 of Total Contributions is		
50% of next \$450.00 of Total Contributions is		
33 1/3% of amount of Total Contributions exceeding \$550.00 is		
Total allowable credit (maximum \$500.00)		
(i)		
Ontario Tax Payable (from line 67 on your return)		
SUBTRACT: Ontario Property and Sales Tax Credits and Temporary Home Heating Credit (Amount (G) above)		
Ontario Tax Payable in excess		
(ii)		
ALLOWABLE ONTARIO POLITICAL CONTRIBUTION TAX CREDIT –		
Enter Amount (i), or Amount (ii), whichever is less		
(H)		

Ontario Tax Credits – Total of Amounts (G) and (H) – Enter this amount on line 74 on your return.

Declaration (If Property Tax Credit claimed)

I hereby declare that the address(es) of my principal residence(s) in Ontario during the 1983 taxation year was (were):			
Address(es) of Principal Residence(s)	No. of Months Resident in 1983	Rent/Property Tax Paid in 1983	Name of Landlord/Municipality
1	Rent Own	\$	
2	Rent Own	\$	
If you had more than 2 principal residences, continue on a separate sheet. See item 1(c).			

Certification

I certify that the information in this document is true and correct and if I am claiming the Property and Sales Tax Credits or Temporary Home Heating Credit, that I was not 65 years of age or older on December 31, 1983.	
Date	Sign here

Basic Guidelines for Claiming Ontario Tax Credits

• You must file a completed Individual Income Tax Return along with this Ontario Tax Credit form.

<p>1. Property Tax Credit</p> <p>(a) The Property Tax Credit may be claimed by all individuals resident in Ontario on December 31, 1983 except:</p> <ul style="list-style-type: none">• persons under age 16• persons under age 21 who live at home and are claimed as dependants• persons 65 years of age or older• persons with spouses 65 years or older; except in the year of marriage (see item 4(a))• estates of deceased persons• persons from other countries who have been admitted to Canada as Visitors with Student Authorization• persons who leave Ontario during the year. <p>(b) The Property Tax Credit must be claimed by the spouse having the higher taxable income regardless of the registered ownership of the principal residence except in cases where marriage took place in 1983 (see item 4(a)).</p> <p>(c) Principal Residence</p> <ul style="list-style-type: none">• means the housing unit in Ontario which was ordinarily occupied or inhabited during 1983.• may include hotel rooms, mobile homes or rooming houses.• does not include a property tax exempt residence e.g. home for the aged, institutions, hostels, military bases.• does not include a nursing home if the resident's costs are subsidized. <p>An individual who moves within Ontario during the year may claim each consecutive residence based on the actual period of occupancy.</p> <p>(d) Occupancy Cost</p> <ul style="list-style-type: none">• for homeowners is the property tax paid on a principal residence in the taxation year (does not include mortgage principal and interest payments).• for tenants is 20% of the rent paid for the principal residence in the taxation year (excluding any amount paid for meals), or if both property tax and rent are paid on the same principal residence, is 20% of the total of property tax and rent paid. In this instance the total of the property tax and rent paid must be entered on line 910.• must not include property tax or rent paid on a second residence (e.g. cottage).• must be prorated to cover the actual period of occupancy if the principal residence was occupied for less than the year. <p>(e) Joint Occupancy</p> <p>Where two or more principal taxpayers share a principal residence, Occupancy Cost must be allocated</p> <ul style="list-style-type: none">• according to each principal taxpayer's beneficial ownership in the housing unit, or• according to the rent paid by each tenant. <p>(f) College Residence</p> <p>Most residences of Ontario universities, colleges and schools of nursing have a deemed Occupancy Cost of \$25.00. Anyone living in one of these residences is restricted to a \$25.00 Occupancy Cost for the part of the year he or she lived in such a residence. Call the Information Centre to find out if your residence is included in this category.</p> <p>(g) Receipts</p> <p>Receipts for 1983 rent or property tax payments are not required to be filed with this form but must be retained for examination on request.</p>	<p>2. Sales Tax Credit</p> <p>All individuals resident in Ontario on December 31, 1983 may claim the Sales Tax Credit except:</p> <ul style="list-style-type: none">• persons under age 16• persons claimed as dependants for income tax purposes by another resident in Canada• persons 65 years of age or older• estates of deceased persons• persons from other countries who have been admitted to Canada as Visitors with Student Authorization• persons who leave Ontario during the year. <p>3. Temporary Home Heating Credit</p> <p>All individuals who are eligible to claim a Property Tax Credit (including those whose taxable income reduces the credit to zero) and who have incurred an Occupancy Cost may claim the Temporary Home Heating Credit except individuals whose Occupancy Cost comprises solely the \$25.00 allowable for college residence (see item 1(f)).</p> <p>4. General Information</p> <p>(a) Marriage in the Year Both Spouses Under 65</p> <p>When a marriage takes place in the year, there are frequently three Occupancy Costs involved:</p> <ul style="list-style-type: none">(A) the rent or property tax paid by the spouse with the higher taxable income for the part of the year prior to marriage(B) the rent or property tax paid by the spouse with the lower taxable income prior to marriage(C) the rent or property tax paid following marriage. <p>An Ontario Tax Credit claim may be made in one of two ways, either</p> <ul style="list-style-type: none">• the spouse with the higher taxable income includes (A) + (B) + (C) in calculating Occupancy Cost, or• the spouse with the higher taxable income includes (A) + (C) and the spouse with the lower taxable income uses (B) in calculating Occupancy Cost. <p>One Spouse Under 65</p> <p>The spouse under 65 is allowed to claim a Property Tax Credit based on Occupancy Cost incurred by him/her prior to marriage provided that such occupancy costs are not included in the Occupancy Cost of the other spouse for a property tax grant.</p> <p>(b) Separation in the Year Both Spouses Under 65</p> <p>In the year of separation, each spouse may include the following in calculating Occupancy Cost:</p> <ul style="list-style-type: none">• a share of the rent or property tax for the part of the year prior to separation in any manner agreed upon, and• the rent or property tax paid following separation. <p>One Spouse Under 65</p> <p>Where the spouse under 65 remains in the principal residence after separation he/she may claim a Property Tax Credit based on Occupancy Cost paid by him/her from date of separation to the end of the taxation year.</p>
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Inquiries: Telephone the Ontario Ministry of Revenue Information Centre.

- In Metro Toronto, dial **965-8470.**
- If your area code is 416, dial **1-800-263-7700** (toll free).
- If your area code is 807, ask the Operator for . . . **Zenith 8-2000** (toll free).
- If your area code is 519, 613 or 705, dial **1-800-263-3960** (toll free).

Mailing Address

- Ministry of Revenue, Guaranteed Income and Tax Credit Branch,
P.O. Box 624, 33 King Street West, Oshawa, Ontario L1H 8H8

A detailed booklet is available on request.

Form 2

Income Tax Act



CRÉDITS D'IMPÔT DE L'ONTARIO

T1C (ONT.)

Les règles de base relatives aux crédits d'impôt de l'Ontario figurent au verso. Le ministère du Revenu de l'Ontario offre un programme distinct de subventions aux personnes de 65 ans ou plus. Les contribuables qui ont droit à ces subventions ne peuvent demander dans la présente formule ni les crédits d'impôts fonciers et de taxe sur les ventes ni le crédit temporaire pour le chauffage des résidences.

Calcul des crédits d'impôts fonciers et de taxe sur les ventes de l'Ontario pour 1983

CRÉDIT D'IMPÔTS FONCIERS – Voir n° 1 au verso et remplir la «Déclaration» ci-dessous.

Total des loyers payés en 1983	910	×	20%	=	
Impôts fonciers payés en 1983					920
Résidence d'étudiants – inscrire 25,00 \$ – voir n° 1 f)					930
Coût d'habitation (total des trois lignes ci-dessus) – voir n° 1 d)					940
Inscrire le moins élevé des montants suivants: 180,00 \$ ou le «Coût d'habitation» (ligne 940)					
Plus: 10% du «Coût d'habitation» (ligne 940)					
Total du crédit d'impôts fonciers					◇

CRÉDIT DE TAXE SUR LES VENTES – 1% du «Total des exemptions personnelles» (ligne 45, p. 2 de votre déclaration) – voir n° 2

Total des crédits ci-dessus	(A)	
INSCRIRE: 2% du «Revenu imposable» (ligne 62, p. 2 de votre déclaration) ou si le revenu imposable est de 1 986,00 \$ ou moins, inscrire «NÉANT»	(B)	
CRÉDITS D'IMPÔTS FONCIERS ET DE TAXE SUR LES VENTES NETS – Montant (A) moins montant (B).		
Si (B) est supérieur à (A), inscrire «NÉANT»		(C)
INSCRIRE le moins élevé du montant (C) et de 500,00 \$		(D)

Calcul du crédit temporaire pour le chauffage des résidences de l'Ontario en 1983 (Voir n° 3 au verso)

Crédit de base pour le chauffage en 1983	20	00		
INSCRIRE: 1% du «Revenu imposable» (ligne 62, p. 2 de votre déclaration) ou si le revenu imposable est de 1 986,00 \$ ou moins, inscrire «NÉANT»	(E)			
CRÉDIT TEMPORAIRE NET POUR LE CHAUFFAGE DES RÉSIDENCES – 20,00 \$ moins montant (E).				
Si le Montant (E) est supérieur à 20,00 \$, inscrire «NÉANT»			(F)	
CRÉDITS D'IMPÔTS FONCIERS ET DE TAXE SUR LES VENTES ET CRÉDIT TEMPORAIRE POUR LE CHAUFFAGE DES RÉSIDENCES NETS –				
Montant (D) plus montant (F)				(G)

Calcul du crédit d'impôt pour contributions politiques (Ontario) en 1983

Joindre les reçus officiels à cette formule, sinon la demande sera refusée.

Total des contributions politiques (Ontario) en 1983

Crédit admissible – 75% de la première tranche de 100,00 \$ du total des contributions		
50% de la tranche suivante de 450,00 \$ du total des contributions		
33 1/3% de la fraction du total des contributions qui excède 550,00 \$		
Crédit total admissible (maximum 500,00 \$)	(i)	
Impôt de l'Ontario à payer (ligne 67 de votre déclaration)		
MOINS: Crédits d'impôts fonciers et de taxe sur les ventes et crédit temporaire pour le chauffage des résidences de l'Ontario (montant (G) ci-dessus)		
Impôt de l'Ontario qui reste à payer	(ii)	
CRÉDIT D'IMPÔT ADMISSIBLE POUR CONTRIBUTIONS POLITIQUES (ONTARIO) –		
Inscrire le moins élevé des montants (i) et (ii)		(H)

Crédits d'impôt de l'Ontario – Total des montants (G) et (H) – Inscrire ce total à la ligne 74 de votre déclaration.

— Déclaration (si vous demandez le crédit d'impôts fonciers) —

Je déclare par les présentes que, durant l'année d'imposition 1983, ma résidence principale en Ontario était située à l'adresse ou aux adresses suivantes:

Adresse de la résidence principale	Nombre de mois de résidence en 1983	Loyers/Impôts fonciers payés en 1983	Nom du propriétaire/de la municipalité
1	locataire <input type="checkbox"/> propriétaire <input type="checkbox"/>	\$	
2	locataire <input type="checkbox"/> propriétaire <input type="checkbox"/>	\$	

Si vous avez eu plus de 2 résidences principales, utilisez une feuille distincte. Voir n° 1 c).

— Attestation —

J'atteste que les renseignements donnés ci-dessus sont vrais et exacts et que, si je demande le crédit d'impôts fonciers, le crédit de taxe sur les ventes ou le crédit temporaire pour le chauffage des résidences, je n'avais pas 65 ans ou plus le 31 décembre 1983.

Date _____ Signature _____

Règles de base relatives aux crédits d'impôt de l'Ontario

• Vous devez accompagner votre formule « Crédits d'impôt de l'Ontario » d'une déclaration d'impôt sur le revenu dûment remplie.

<p>1. Crédit d'impôts fonciers</p> <p>a) Ce crédit peut être demandé par tous les particuliers qui résidaient en Ontario le 31 décembre 1983, sauf</p> <ul style="list-style-type: none">• les personnes de moins de 16 ans• les personnes de moins de 21 ans qui habitent à la maison et sont déclarées à charge• les personnes de 65 ans ou plus• les personnes dont le conjoint a 65 ans ou plus, sauf dans l'année du mariage (voir n° 4a))• les successions de personnes décédées• les personnes de pays étrangers qui sont entrées au Canada comme visiteurs et qui sont titulaires d'un permis de séjour d'étudiant• les personnes qui ont quitté l'Ontario au cours de l'année. <p>b) Le crédit d'impôts fonciers doit être demandé par le conjoint au revenu imposable le plus élevé, indépendamment du titre de propriété de la résidence principale. Si le mariage a eu lieu en 1983, voir le n° 4a).</p> <p>c) Résidence principale</p> <ul style="list-style-type: none">• désigne le logement, en Ontario, habituellement occupé ou habité en 1983;• peut désigner une chambre d'hôtel, une maison mobile ou une pension;• ne comprend pas un établissement exempt d'impôts fonciers, comme un foyer pour personnes âgées, une auberge de jeunesse, certains établissements, une base militaire;• ne comprend pas une maison de santé, si les coûts de résidence sont subventionnés. <p>Toute personne qui déménage au cours de l'année, tout en restant en Ontario, peut demander pour chaque résidence consécutive le crédit pour la période réelle d'habitation.</p> <p>d) Coût d'habitation</p> <ul style="list-style-type: none">• pour les propriétaires, les impôts fonciers versés pour une résidence principale dans l'année d'imposition (sauf les paiements de capital et d'intérêts sur hypothèque);• pour les locataires, 20% du loyer versé pour la résidence principale dans l'année d'imposition (sauf le coût des repas), ou lorsque des impôts fonciers et un loyer sont versés pour une même résidence principale, 20% du total des impôts fonciers et du loyer versés. Dans ce cas, le total doit être inscrit à la ligne 910;• les impôts fonciers ou le loyer versés pour une résidence secondaire (par ex., un chalet) ne doivent pas être inclus;• si la résidence principale n'a pas été habitée pendant toute l'année, il faut réduire au prorata le coût d'habitation, selon la période réelle d'habitation. <p>e) Cohabitation</p> <p>Si deux contribuables principaux ou plus partagent une résidence principale, le coût d'habitation doit être attribué</p> <ul style="list-style-type: none">• selon le degré de propriété réelle de chaque contribuable principal dans le logement ou• selon le loyer payé par chaque locataire. <p>f) Résidence d'étudiants</p> <p>Le coût d'habitation pour la plupart des logements d'universités, de collèges et d'écoles de sciences infirmières en Ontario est fixé à 25,00\$. Quiconque habite une résidence dont le coût d'habitation a été fixé à l'avance n'a droit qu'à ce montant pour la période de l'année où il y habite. Pour savoir si le coût d'habitation de votre résidence a été fixé, adressez-vous au Centre d'information.</p> <p>g) Reçus</p> <p>Vous n'êtes pas tenu d'annexer à cette formule les reçus de loyers ou d'impôts fonciers pour 1983, mais vous devez pouvoir les produire sur demande.</p>	<p>2. Crédit de taxe sur les ventes</p> <p>Tout résident de l'Ontario au 31 décembre 1983 peut demander le crédit de taxe sur les ventes, sauf</p> <ul style="list-style-type: none">• les personnes de moins de 16 ans• les personnes déclarées à charge aux fins de l'impôt sur le revenu par un autre résident canadien• les personnes de 65 ans ou plus• les successions de personnes décédées• les personnes de pays étrangers qui sont entrées au Canada comme visiteurs et qui sont titulaires d'un permis de séjour d'étudiant• les personnes qui ont quitté l'Ontario au cours de l'année. <p>3. Crédit temporaire pour le chauffage des résidences</p> <p>Tous ceux qui ont droit au crédit d'impôts fonciers (y compris les personnes dont le revenu imposable ramène le crédit à néant) et qui ont versé un coût d'habitation peuvent demander le crédit temporaire pour le chauffage des résidences, sauf les personnes dont le coût d'habitation ne comprend que les 25,00\$ admissibles des résidences d'étudiants (voir n° 1 f).</p> <p>4. Renseignements généraux</p> <p>a) Mariage au cours de l'année Conjoints de moins de 65 ans</p> <p>Lorsqu'un mariage a lieu au cours de l'année, il y a souvent trois coûts d'habitation en cause:</p> <p>(A) le loyer ou les impôts fonciers versés, pour la partie de l'année précédant le mariage, par le conjoint au revenu imposable le plus élevé</p> <p>(B) le loyer ou les impôts fonciers versés avant le mariage par le conjoint au revenu imposable le moins élevé</p> <p>(C) le loyer ou les impôts fonciers versés après le mariage.</p> <p>Le crédit d'impôt de l'Ontario peut être demandé de l'une des deux façons suivantes:</p> <ul style="list-style-type: none">• le conjoint au revenu imposable le plus élevé remplit (A) + (B) + (C) dans le calcul du coût d'habitation ou• le conjoint au revenu imposable le plus élevé remplit (A) + (C) dans le calcul du coût d'habitation, alors que l'autre conjoint remplit (B). <p>L'un des conjoints a moins de 65 ans</p> <p>Le conjoint de moins de 65 ans a droit au crédit d'impôts fonciers fondé sur son coût d'habitation avant le mariage, à condition que ce coût d'habitation ne soit pas inclus dans la demande de subvention pour impôts fonciers de l'autre conjoint.</p> <p>b) Séparation au cours de l'année Conjoints de moins de 65 ans</p> <p>L'année de la séparation, chaque conjoint peut inclure ce qui suit dans le calcul du coût d'habitation:</p> <ul style="list-style-type: none">• sa part convenue du loyer ou des impôts fonciers pour la partie de l'année précédant la séparation et• le loyer ou les impôts fonciers après la séparation. <p>L'un des conjoints a moins de 65 ans</p> <p>Dans les cas où le conjoint de moins de 65 ans continue à habiter la résidence principale après la séparation, il peut demander le crédit d'impôts fonciers fondé sur son coût d'habitation depuis la date de la séparation jusqu'à la fin de l'année d'imposition.</p>
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Demandes de renseignements :

Téléphonez au Centre d'information du ministère du Revenu de l'Ontario.

- Dans le Toronto métropolitain, composez **965-8470.**
- Si votre indicatif régional est 416, composez **1-800-263-7700** (sans frais).
- Si votre indicatif régional est 807, demandez à la téléphoniste le **Zénith 8-2000** (sans frais).
- Si votre indicatif régional est 519, 613 ou 705, composez **1-800-263-3960** (sans frais).

Adresse postale

- Ministère du Revenu, Direction du revenu garanti et du dégrèvement fiscal, C.P. 624, 33, rue King ouest, Oshawa (Ontario) L1H 8H8

Vous pouvez obtenir, sur demande, une brochure renfermant des renseignements détaillés.

Schedule

STUDENTS' RESIDENCE

PART I

RESIDENCES OF COLLEGE AND NURSING STUDENTS

ITEM	NAME	LOCATION
1	St. Andrew's College Students' Residence Yonge Street North	Aurora
2	Albert College Students' Residence 160 Dundas Street West	Belleville
3	Albert College Students' Residence 28 Highland Avenue	Belleville
4	Belleville General Hospital Students' Residence Loyalist College of Applied Arts and Technology 245 Dundas Street East	Belleville
5	Appleton Boys School Students' Residence	Bolton
6	Brockville General Hospital Comstock Students' Residence 80 Emma Street	Brockville
7	Grenville Christian College Students' Residence	Brockville
8	Brockville Bible College Standard Church Students' Residence (2nd Floor) 245 Perth Street	Brockville
9	St. John's School of Ontario Students' Residence	Claremont
10	Mille Roches Students' Residence St. Lawrence College of Applied Arts and Technology 801 Fourth Street East	Cornwall
11	Bnei Akiva Schools Students' Residence 159 Almore Avenue	Downsview
12	Niagara Christian College Students' Residence	Fort Erie
13	Theological College of the Canadian Reformed Churches Students' Residence 374 Queen Street South	Hamilton
14	Ontario College of Agriculture Students' Residence Building No. 67, Bruce Hall and Huron Hall	Huron Park
15	Kemptville College of Agricultural Technology Students' Residence	Kemptville
16	Kingston General Hospital Students' Residence (Waldron Tower), St. Lawrence College of Applied Arts and Technology, 17 King Street West	Kingston

ITEM	NAME	LOCATION
17	Emmanuel Bible College Student's Residence 100 Fergus Avenue	Kitchener
18	Lakefield College School Students' Residence	Lakefield
19	Great Lakes Christian College Students' Residence	Lincoln
20	Regina Mundi College Students' Residence Wellington Road South, R.R. #4	London
21	Victoria Campus School of Nursing Gartshore Residence Fanshawe College of Applied Arts and Technology 370 South Street	London
22	Mount St. Joseph Academy Students' Residence 1490 Richmond Street North	London
23	St. Peter's Seminary Students' Residence 1040 Waterloo Street	London
24	Sheridan College School of Nursing Students' Residence Credit Valley Campus 2186 Hurontario Street	Mississauga
25	Pickering College Students' Residence 389 Second Street	Newmarket
26	Eden Christian College Students' Residence	Niagara On-The-Lake
27	Scollard Hall Students' Residence 1000 High Street	North Bay
28	Canadore College of Applied Arts and Technology Students' Residence Gormanville Road	North Bay
29	St. Joseph's College Girls Dormitory 2025 Main Street West	North Bay
30	Appleby College Students' Residence 540 Lakeshore Road West	Oakville
31	Seventh Day Adventist Church Kingsway College Students' Residence 1156 King Street East	Oshawa
32	Ashbury College Students' Residence 362 Mariposa Avenue	Ottawa
33	Bill Prancard Evangelistic Association Students' Residence 1826 Woodward Drive	Ottawa
34	Ottawa Civic Hospital Students' Residence Algonquin College School of Nursing 737 Parkdale Avenue	Ottawa
35	Eastern Pentacostal Bible College Students' Residence Swanson Hall 49 Argyle Street	Peterborough
36	Eastern Pentacostal Bible College Students' Residence No. 1 and 2 780 Argyle Street	Peterborough

ITEM	NAME	LOCATION
37	Wahbon Bay Academy Students' Residence	Pickle Lake
38	Trinity College School Students' Residence Ward Street	Port Hope
39	Ridgetown College of Agricultural Technology Students' Residence, Main Street East	Ridgetown
40	Elmwood School Students' Residence 261 Buena Vista	Rockcliffe Park
41	Rosseau Lake School Students' Residence	Rosseau
42	Ridley College Students' Residence	St. Catharines
43	St. Thomas - Elgin General School of Nursing Students' Residence, Fanshawe College of Applied Arts and Technology, 189 Elm Street	St. Thomas
44	Alma College Students' Residence 96 Moore Street	St. Thomas
45	Lambton College School of Nursing Students' Residence Lambton College of Applied Arts and Technology 1431 London Road South	Sarnia
46	Sault College of Applied Arts and Technology Students' Residence, 443 Northern Avenue East	Sault Ste. Marie
47	Stratford General Hospital Students' Residence Conestoga College of Applied Arts and Technology 130 Youngs Street	Stratford
48	Cambrian College of Applied Arts and Technology Students' Residence, Health and Science Division (Northern Ontario Health Science Schools) 885 Regent Street South	Sudbury
49	Confederation College of Applied Arts and Technology Sibley Hall Students' Residence, William Street	Thunder Bay
50	Centre for Christian Studies, Covenant College Students' Residence, 77 Charles Street West	Toronto
51	Ryerson Polytechnical Institute Students' Residence 137 Bond Street	Toronto
52	The Hospital for Sick Children Nursing School Students' Residence, 170 and 180 Elizabeth Street	Toronto
53	Ewart College Students' Residence The Presbyterian Church in Canada 156 St. George Street	Toronto
54	Toronto General Hospital Students' Residence 90 Gerrard Street West	Toronto
55	The Wellesley Hospital Students' Residence (L.C.K. Jones Building) Ryerson Polytechnical Institute 160 Wellesley Street East	Toronto

ITEM	NAME	LOCATION
56	St. Vladimir Institute Students' Residence 620 Spadina Avenue	Toronto
57	Havergal College Students' Residence 1451 Avenue Road	Toronto
58	Branksome Hall Students' Residence 1, 3, 6 and 14 Elm Avenue	Toronto
59	The Bishop Strachan School Students' Residence 298 Lonsdale Road	Toronto
60	The National Ballet School Students' Residence 111 Maitland Street	Toronto
61	Upper Canada College Students' Residence 200 Lonsdale Road	Toronto
62	Regis College Students' Residence 102 Charles Street West 104 Charles Street West 18 Dundonald Street 567 Huron Street 569 Huron Street 94 Isabella Street 94 Kendall Avenue 105 Madison Avenue 316 St. George Street 318 St. George Street 65 St. Nicholas Street 21 Sultan Street 23 Sultan Street	Toronto
63	Salvation Army Students' Residence 2130 Bayview Avenue	Toronto (North York)
64	Notre Dame Academy Students' Residence 1921 Snake Road	Waterdown
65	The Creative Centre for Learning and Development Students' Residence Chippawa Road South Side	Wellandport
66	The Creative Centre for Learning and Development Students' Residence Chippawa Road North Side	Wellandport
67	Scarborough Centenary Hospital Association Students' Residence (T.J. Shoniker Building) 2877 Ellesmere Road	West Hill
68	Humber College School of Nursing Students' Residence Osler School of Nursing 5 Queenslea Avenue	Weston (North York)
69	Trafalgar Castle School Students' Residence 401 Reynolds Street	Whitby
70	Seaway Baptist Bible Institute Students' Residence	Williamstown
71	Seneca College School of Nursing Students' Residence York Regional School of Nursing 1255 Sheppard Avenue East	Willowdale (North York)
72	Ontario Bible College Students' Residence 25 Bally Connor Court	Willowdale (North York)

ITEM	NAME	LOCATION
73	Ner Israel Yeshiva College Students' Residence 625 Finch Avenue West	Willowdale (North York)
74	Grace Hospital Students' Residence St. Clair College of Applied Arts and Technology 339 Crawford Avenue	Windsor
75	Assumption College School Students' Residence 1100 Huron Church Road	Windsor

PART II
STUDENTS' RESIDENCES—UNIVERSITIES

ITEM	NAME OF UNIVERSITY	NAME OF STUDENT RESIDENCES	LOCATION
1	Brock University	Decew Residence 500 Glenridge Avenue	St. Catharines
2	Brock University	Shaver Students' Residence 541 Glenridge Avenue	St. Catharines
3	Brock University	Queenston Students' Residence 178 Queenston Street	St. Catharines
4	Carleton University	Renfrew House Colonel By Drive	Ottawa
5	Carleton University	Lanark House Colonel By Drive	Ottawa
6	Carleton University	Grenville House Colonel By Drive	Ottawa
7	Carleton University	Russell House Colonel By Drive	Ottawa
8	Carleton University	Glengarry House Colonel By Drive	Ottawa
9	University of Guelph	South Residence (Prairie, Maritime and Mountain Halls) University Buildings #72A, 72B, 72C South Ring Road	Guelph
10	University of Guelph	East Residence (Dundas, Lanark and Glengarry Halls) University Buildings #180A, 180B, 180C East Ring Road	Guelph
11	University of Guelph	Lennox Addington Hall University Building #172 Lennox Lane	Guelph
12	University of Guelph	Johnston Hall University Building #11 Winegard Walk	Guelph
13	University of Guelph	Mills Hall University Building #8 College Avenue	Guelph
14	University of Guelph	MacDonald Hall University Building #2 MacDonald Street	Guelph
15	University of Guelph	Watson Hall University Building #4 Watson Lane	Guelph
16	University of Guelph	Maids Hall University Building #62 Trent Lane	Guelph

ITEM	NAME OF UNIVERSITY	NAME OF STUDENT RESIDENCES	LOCATION
17	University of Guelph	Lambton Hall University Building #67 Watson Line	Guelph
18	University of Guelph	North Residence Drew Hall University Building #10 Trent Lane	Guelph
19	Lakehead University	Women's Residence Oliver Road	Thunder Bay
20	Lakehead University	Men's Residence Oliver Road	Thunder Bay
21	Laurentian University	Married Students' Apartments 840 Ramsey Lake Road	Sudbury
22	Laurentian University	Single Students' Apartments 840 Ramsey Lake Road	Sudbury
23	Laurentian University	Huntington College Residence 840 Ramsey Lake Road	Sudbury
24	Laurentian University	Thornloe College Residence 840 Ramsey Lake Road	Sudbury
25	Laurentian University	University of Sudbury Residence 840 Ramsey Lake Road	Sudbury
26	Laurentian University	Laurentian University Residence 179 John Street	Sudbury
27	McMaster University	Edwards Hall 1280 Main Street West	Hamilton
28	McMaster University	Whidden Hall 1280 Main Street West	Hamilton
29	McMaster University	Moulton Hall 1280 Main Street West	Hamilton
30	McMaster University	Bates Residence 1280 Main Street West	Hamilton
31	McMaster University	Woodstock Hall 1280 Main Street West	Hamilton
32	McMaster University	Matthews Hall 1280 Main Street West	Hamilton
33	McMaster University	Brandon Hall 1280 Main Street West	Hamilton
34	McMaster University	Wallingford Hall 1280 Main Street West	Hamilton
35	McMaster University	McKay Hall 1280 Main Street West	Hamilton
36	University of Ottawa	Le Blanc Hall 35 Copernicus Street	Ottawa

ITEM	NAME OF UNIVERSITY	NAME OF STUDENT RESIDENCES	LOCATION
37	University of Ottawa	Stanton Hall 235 Nicholas Street	Ottawa
38	University of Ottawa	Thompson Hall 611 Cumberland Street	Ottawa
39	University of Ottawa	Marchand Hall 245 Nicholas Street	Ottawa
40	Queen's University	McNeill House Lower Albert Street	Kingston
41	Queen's University	Leonard Hall Queen's Crescent	Kingston
42	Queen's University	Morris Hall Lower Albert Street	Kingston
43	Queen's University	Gordon House Collingwood Street	Kingston
44	Queen's University	Brockington House Collingwood Street	Kingston
45	Queen's University	Harkness Hall 329 Earl Street	Kingston
46	Queen's University	Graduate Students' Residence Union Street West	Kingston
47	Queen's University	Ban Righ Hall University Avenue	Kingston
48	Queen's University	Chown Hall Stuart Street	Kingston
49	Queen's University	Adelaide Hall Stuart Street	Kingston
50	Queen's University	Victoria Hall Queen's Crescent	Kingston
51	Queen's University	Jean Royce Hall West Campus Union Street West Angus Residence Boucher Residence Royce Residence Curran Residence Douglas Residence Healey Residence Laird Residence Miller Residence Roy Residence Shortliffe Residence Tracy Residence Trotter Residence	Kingston
52	Queen's University	John Orr Tower Apartments 244 Sir John A. MacDonald Blvd.	Kingston
53	Royal Military College	Stone Frigate R.M.C. Grounds	Kingston

ITEM	NAME OF UNIVERSITY	NAME OF STUDENT RESIDENCES	LOCATION
54	Royal Military College	Fort Haldimand R.M.C. Grounds	Kingston
55	Royal Military College	Fort La Salle R.M.C. Grounds	Kingston
56	Royal Military College	Fort Champlain R.M.C. Grounds	Kingston
57	St. Paul's University	165 McGillivray Street	Ottawa
58	St. Paul's University	40 Riverdale Avenue	Ottawa
59	St. Paul's University	48 Riverdale Avenue	Ottawa
60	St. Paul's University	11 Glencairn Avenue	Ottawa
61	St. Paul's University	4-6 Toronto Street	Ottawa
62	St. Paul's University	305 Nelson	Ottawa
63	St. Paul's University	315 Nelson	Ottawa
64	St. Paul's University	249 Main Street	Ottawa
65	St. Paul's University	7 Bullock Street	Ottawa
66	St. Paul's University	66 Glengarry Street	Ottawa
67	St. Paul's University	175 Main Street	Ottawa
68	St. Paul's University	223 Main Street	Ottawa
69	University of Toronto	Wetmore Hall New College 21 Classic Avenue	Toronto
70	University of Toronto	Wilson Hall New College 40 Willcocks Street	Toronto
71	University of Toronto	Sir Daniel Wilson Residence University College 73 St. George Street	Toronto
72	University of Toronto	Whitney Hall University College 85 St. George Street	Toronto
73	University of Toronto	Devonshire House 1, 3 and 5 Devonshire Place	Toronto
74	University of Toronto	Innis College Residence 651 Spadina Avenue	Toronto
75	University of Toronto	St. George Graduate Students' Residence 321 Bloor Street West	Toronto
76	University of Toronto	Burwash Hall Victoria University 89 Charles Street West	Toronto
77	University of Toronto	Stephenson House Victoria University 80 St. Mary's Street	Toronto
78	University of Toronto	Annesley Hall Victoria University 95 Queen's Park Crescent	Toronto

ITEM	NAME OF UNIVERSITY	NAME OF STUDENT RESIDENCES	LOCATION
79	University of Toronto	Margaret Addison Hall Victoria University 140 Charles Street West	Toronto
80	University of Toronto	Trinity College 6 Hoskin Avenue	Toronto
81	University of Toronto	St. Hilda's College Residence Trinity College 44 Devonshire Place	Toronto
82	University of Toronto	Knox College Residence 59 St. George Street	Toronto
83	University of Toronto	Wycliffe College Residence 5 Hoskin Avenue	Toronto
84	University of Toronto	Clover Hill Residence St. Michael's College 50 St. Joseph Street	Toronto
85	University of Toronto	Elmsley Hall and Brennan Hall St. Michael's College 81 St. Mary's Street	Toronto
86	University of Toronto	More House St. Michael's College 57 Queen's Park Crescent East	Toronto
87	University of Toronto	Fisher House St. Michael's College 57 Queen's Park Crescent East	Toronto
88	University of Toronto	Teefy Hall St. Michael's College 57 Queen's Park Crescent East	Toronto
89	University of Toronto	Sullivan House St. Michael's College 96 St. Joseph Street	Toronto
90	University of Toronto	McCorkell House St. Michael's College 2 Elmsley Place	Toronto
91	University of Toronto	Belisle House St. Michael's College 1 Elmsley Place	Toronto
92	University of Toronto	Maritain House St. Michael's College 6 Elmsley Place	Toronto
93	University of Toronto	Gilson House St. Michael's College 8 Elmsley Place	Toronto
94	University of Toronto	Loretto College St. Michael's College 70 St. Mary's Street	Toronto

ITEM	NAME OF UNIVERSITY	NAME OF STUDENT RESIDENCES	LOCATION
95	University of Toronto	St. Joseph's College St. Michael's College 90 Wellesley Street West	Toronto
96	University of Toronto	St. Basil's College St. Michael's College 95 St. Joseph Street	Toronto
97	University of Toronto	Massey College Students' Residence 4 Devonshire Place	Toronto
98	University of Toronto	Scarborough College 1265 Military Trail	Scarborough
99	University of Toronto	Erindale College 3349 Mississauga Road	Mississauga
100	University of Toronto	Upper Canada College	Georgetown
101	Trent University	Lady Eaton College Residence Nassau Campus	Peterborough
102	Trent University	Champlain College Residence Nassau Campus	Peterborough
103	Trent University	Langton House Catharine Parr Traill College 554 Reid Street	Peterborough
104	Trent University	Crawford House Catharine Parr Traill College 310 London Street	Peterborough
105	Trent University	Scott House Catharine Parr Traill College 300 London Street	Peterborough
106	Trent University	Stewart House Catharine Parr Traill College 292 London Street	Peterborough
107	Trent University	Wallis Hall Catharine Parr Traill College 310 London Street	Peterborough
108	Trent University	Sadlier House Peter Robinson College 751 George Street	Peterborough
109	Trent University	Stratton House Peter Robinson College 740 Water Street	Peterborough
110	Trent University	Reade House Peter Robinson College 741 George Street	Peterborough
111	Trent University	Abbott House Peter Robinson College 754 Water Street	Peterborough

ITEM	NAME OF UNIVERSITY	NAME OF STUDENT RESIDENCES	LOCATION
112	Trent University	East Lodge Peter Robinson College 748 George Street	Peterborough
113	Trent University	Town Houses Peter Robinson College 723 George Street	Peterborough
114	Trent University	Otonabee College Residence Nassau Campus	Peterborough
115	Trent University	Kerr House 299 Dublin Street	Peterborough
116	Trent University	North House 262 - 264 Rubidge Street	Peterborough
117	Trent University	Jung House 302 King Street	Peterborough
118	Trent University	Principal's Lodge 314 London Street	Peterborough
119	Trent University	North North House 270 Rubidge Street	Peterborough
120	Trent University	Monture House 267 Stewart Street	Peterborough
121	University of Waterloo	Tutors' Residence South Campus, 1,2,3,4,5 200 University Avenue West	Waterloo
122	University of Waterloo	Village #1 200 University Avenue West	Waterloo
123	University of Waterloo	Village #2 200 University Avenue West	Waterloo
124	University of Waterloo	Minota Hagey Residence 200 University Avenue West	Waterloo
125	University of Waterloo	Conrad Greble College 200 University Avenue West	Waterloo
126	University of Waterloo	St. Jerome College Residence 200 University Avenue West	Waterloo
127	University of Waterloo	Notre Dame College Residence 200 University Avenue West	Waterloo
128	University of Waterloo	Renison College Residence 200 University Avenue West	Waterloo
129	University of Waterloo	St. Paul's College Residence 200 University Avenue West	Waterloo
130	University of Waterloo	Resurrection College 265 Westmount Road North	Waterloo
131	University of Western Ontario	Brough Hall Huron College 1349 Western Road	London

ITEM	NAME OF UNIVERSITY	NAME OF STUDENT RESIDENCES	LOCATION
132	University of Western Ontario	Hellmuth Hall Huron College 1349 Western Road	London
133	University of Western Ontario	O'Neill's Hall Huron College 1349 Western Road	London
134	University of Western Ontario	Seagar Hall Huron College 1349 Western Road	London
135	University of Western Ontario	Students' Residence Brescia College 1285 Western Road	London
136	University of Western Ontario	Mary Manor Brescia College 1285 Western Road	London
137	University of Western Ontario	Main Building Residence King's College 1070 Waterloo Street	London
138	University of Western Ontario	Town House #1 King's College 1070 Waterloo Street	London
139	University of Western Ontario	Town House #2 King's College 1070 Waterloo Street	London
140	University of Western Ontario	Town House #3 King's College 1070 Waterloo Street	London
141	University of Western Ontario	Town House #4 King's College 1070 Waterloo Streett	London
142	University of Western Ontario	Town House #5 King's College 1070 Waterloo Street	London
143	University of Western Ontario	Town House #6 King's College 1070 Waterloo Street	London
144	University of Western Ontario	Town House #7 King's College 1070 Waterloo Street	London
145	University of Western Ontario	Town House #8 King's College 1070 Waterloo Street	London
146	University of Western Ontario	Town House #9 King's College 1070 Waterloo Street	London
147	University of Western Ontario	Town House #10 King's College 1070 Waterloo Street	London

ITEM	NAME OF UNIVERSITY	NAME OF STUDENT RESIDENCES	LOCATION
148	University of Western Ontario	Sydenham Hall Richmond Street W/S	London
149	University of Western Ontario	Delaware Hall Western Road E/S	London
150	University of Western Ontario	Medway Hall Richmond Street W/S	London
151	University of Western Ontario	Saugeen-Maitland Hall 289 Windermere Road	London
152	Wilfrid Laurier University	Clara Conrad Residence 75 University Avenue West	Waterloo
153	Wilfrid Laurier University	W. Ross MacDonald Residence 75 University Avenue West	Waterloo
154	Wilfrid Laurier University	Nils Willison Residence 75 University Avenue West	Waterloo
155	Wilfrid Laurier University	Little House Residence 75 University Avenue West	Waterloo
156	Wilfrid Laurier University	Leopold Graduate Residence 75 University Avenue West	Waterloo
157	Wilfrid Laurier University	W. Euler Graduate Residence 75 University Avenue West	Waterloo
158	Windsor University	McDonald Hall 401 Sunset Avenue	Windsor
159	Windsor University	Laurier Hall 401 Sunset Avenue	Windsor
160	Windsor University	Electa Hall 233-265 Patricia Road	Windsor
161	Windsor University	Cody Hall 401 Sunset Avenue	Windsor
162	Windsor University	Huron Hall 869 Mill Street	Windsor
163	Windsor University	Tecumseh Hall 869 Mill Street	Windsor
164	Windsor University	St. Michael's Hall Assumption University 400 Huron Church Road	Windsor
165	Windsor University	Langton House Canterbury College 226 Patricia Road	Windsor
166	Windsor University	Becket House Canterbury College 2585 Riverside Drive West	Windsor
167	Windsor University	Rayson House Canterbury College 210 Patricia Road	Windsor

ITEM	NAME OF UNIVERSITY	NAME OF STUDENT RESIDENCES	LOCATION
168	Windsor University	Cranmer House Canterbury College 2541 Riverside Drive West	Windsor
169	Windsor University	Laud House Canterbury College 2521 Riverside Drive West	Windsor
170	Windsor University	Wake House Canterbury College 179 Sunset Avenue	Windsor
171	Windsor University	Geoffrey Fisher Hall Canterbury College 270 Patricia Road	Windsor
172	Windsor University	SSJE House Canterbury College 189 Patricia Road	Windsor
173	Windsor University	The Brothers of the Christian Schools 2629 Riverside Drive West	Windsor
174	Windsor University	The Brothers of the Christian Schools 2675 Riverside Drive West	Windsor
175	Windsor University	Grace Hospital Students' Residence 339 Crawford Avenue	Windsor
176	York University	Bethune Residence 4700 Keele Street	Downsview (North York)
177	York University	York Apartments 2 Assiniboine Road	Downsview (North York)
178	York University	York Apartments 4 Assiniboine Road	Downsview (North York)
179	York University	York Apartments 6 Assiniboine Road	Downsview (North York)
180	York University	York Apartments 8 Assiniboine Road	Downsview (North York)
181	York University	York Apartments 22 Moon Road	Downsview (North York)
182	York University	Wood Residence 2275 Bayview Avenue	Toronto (North York)
183	York University	Marion Hilliard Residence 2275 Bayview Avenue	Toronto (North York)
184	York University	Founders Residence 4700 Keele Street	Downsview (North York)
185	York University	Vanier College Residence 4700 Keele Street	Downsview (North York)
186	York University	Winters College Residence 4700 Keele Street	Downsview (North York)

ITEM	NAME OF UNIVERSITY	NAME OF STUDENT RESIDENCES	LOCATION
187	York University	McLaughlin College Residence 4700 Keele Street	Downsview (North York)
188	York University	Stong College Residence 4700 Keele Street	Downsview (North York)

O. Reg. 249/84, Sched.

PLANNING ACT, 1983

O. Reg. 250/84.
Restricted Areas—District of Parry Sound,
geographic Township of Ferguson (Plan
M-512).
Made—April 13th, 1984.
Filed—April 24th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 538/82
MADE UNDER THE
PLANNING ACT, 1983

1. Clause 1 (g) of Ontario Regulation 538/82 is
revoked and the following substituted therefor:
- (g) “lot” means a parcel of land,
- (i) described in a deed or other document
legally capable of conveying land, or
- (ii) shown as a lot or block on a registered
plan of subdivision;
2. Section 2 of the said Regulation is revoked and
the following substituted therefor:
2. This Order applies to those parcels of land situate
in the geographic Township of Ferguson in the Terri-
torial District of Parry Sound, being composed of,
- (a) lots 1 to 5, both inclusive, 8, 9 and 12
according to a Plan registered in the Land
Registry Office for the Land Titles Division
of Parry Sound (No. 42) as No. M-512;
- (b) that part of Lot 5 in Concession VI lying
north of White Beaver Trail as shown on a
Plan registered in the said Land Registry
Office as No. M-513, excepting Part 1 on a
Reference Plan deposited in the said Land
Registry Office as No. 42R-8174; and
- (c) Lot 7 according to the said Plan No. M-512
and that part of Lot 3 in Concession VII
designated as Part 1 on a Reference Plan
deposited in the said Land Registry Office as
No. 42R-8188. O. Reg. 250/84, s. 2.
3. Section 4 of the said Regulation is amended by
adding thereto the following subsection:
- (3) Notwithstanding any other provision of this
Order, the land described in clause 2 (c) shall be
deemed to constitute one lot only. O. Reg. 250/84,
s. 3.

L. J. FINCHAM
Director
Plans Administration Branch
North and East
Ministry of Municipal Affairs
and Housing

Dated at Toronto, this 13th day of April, 1984.

LIQUOR LICENCE ACT

O. Reg. 251/84.
General.
Made—April 18th, 1984.
Filed—April 25th, 1984.

REGULATION TO AMEND
REGULATION 581 OF
REVISED REGULATIONS OF ONTARIO, 1980
MADE UNDER THE
LIQUOR LICENCE ACT

1. Regulation 581 of Revised Regulations of
Ontario, 1980 is amended by adding thereto the
following section:

LICENSING DISTRICTS

1a. The following areas are established as licensing
districts:

Licensing District Number	Area
1.	The counties of Essex, Kent and Lambton.
2.	The counties of Bruce, Grey, Huron, Perth and Wellington and The Regional Municipality of Waterloo.
3.	The counties of Elgin, Middlesex and Oxford.
4.	The Regional Municipality of Niagara.
5.	The County of Brant and the regional municipalities of Haldimand-Norfolk and Hamilton-Wentworth.
6.	The regional municipalities of Halton and Peel.
7.	The Municipality of Metropolitan Toronto and The Regional Municipality of York.
8.	The Regional Municipality of Durham and the counties of Peterborough, Victoria, Haliburton and Northumberland.
9.	The counties of Dufferin, Simcoe and The District Municipality of Muskoka.
10.	The counties of Hastings, Lennox and Addington, Frontenac and Prince Edward.

Licensing District Number	Area
11.	The counties of Dundas Glengarry, Grenville, Leeds and Stormont.
12.	The Regional Municipality of Ottawa-Carleton, the counties of Lanark and Renfrew and the counties of Prescott and Russell.
13.	The districts of Kenora, Rainy River and Thunder Bay.
14.	The districts of Algoma, Manitoulin and Sudbury.
15.	The districts of Cochrane, Nipissing, Timiskaming and Parry Sound.

- O. Reg. 251/84, s. 1.
2. Section 6 of the said Regulation, as amended by section 1 of Ontario Regulation 72/82, is further amended by adding thereto the following subsection:
- (5) Where a hotel or public house is reclassified as a tavern, the holder of the licence may close the dining lounge or dining room provided that he ensures that food is available on the premises at all times when the premises is in operation. O. Reg. 251/84, s. 2.
3. Subsection 17 (2), subsection 17 (3), as remade by section 5 of Ontario Regulation 534/82, and subsection 17 (4) of the said Regulation are revoked and the following substituted therefor:
- (2) The separation referred to in subsection (1) shall be in the form of a partition of at least 1.06 metres in height such that the licensed premises can be distinguished from an unlicensed premises and from premises with a different class of licence. O. Reg. 251/84, s. 3.
4. Subsection 21 (4) of the said Regulation is revoked.

5. Section 37 of the said Regulation, as amended by section 6 of Ontario Regulation 72/82, section 7 of Ontario Regulation 534/82, section 1 of Ontario Regulation 580/82 and section 5 of Ontario Regulation 840/82, is further amended by adding thereto the following subsections:
- (23) The holder of a special occasion permit shall permit only the liquor purchased by him or his agent under the authority of the permit or liquor authorized to be served under subsection (13), (13a) or (14) to be brought upon the premises that is the subject of the special occasion permit.
- (24) The holder of a special occasion permit shall ensure that all liquor sold or served on the premises that is the subject of the special occasion permit is not taken from the premises. O. Reg. 251/84, s. 5.
- 6.—(1) Section 53 of the said Regulation is amended by striking out “or” at the end of clause (b), by adding “or” at the end of clause (d) and by adding thereto the following clause:
- (e) The Seagram Museum, Waterloo, Ontario. R.R.O. 1980, Reg. 581, s. 53; O. Reg. 251/84, s. 6 (1).
- (2) The said section 53 is further amended by adding thereto the following subsection:
- (2) Subsections 6 (3) and (4) of the Act do not apply to a premises previously licensed by the Board where a new application for a liquor licence is made within six months of the expiry or revocation of the previous licence except where the revocation was based on the grounds set out in clause 6 (1) (g) of the Act. O. Reg. 251/84, s. 6 (2).
7. Subsections 73 (9) and (10) of the said Regulation are revoked and the following substituted therefor:
- (9) It is a term and condition of a licence that the fees required under subsections (6) and (7) for liquor purchased shall be paid by the licence holder at the time of purchase. O. Reg. 251/84, s. 7.
8. Form 6 of the said Regulation is revoked and the following substituted therefor:

Form 6

Liquor Licence Act

.....LICENCE

(class of licence)

for the sale and service of

(type of liquor)

Issued to:

the owner of the establishment classified as a

.....

known as

located at

in respect of

capacity

SUBJECT TO PRIOR SUSPENSION OR REVOCATION UNDER THE *LIQUOR LICENCE ACT* AND THE REGULATIONS THEREUNDER, THIS LICENCE EXPIRES ON

Dated at Toronto, this...day of,
19....

.....LICENCE
(class of licence)

Number

.....
Chairman
LIQUOR LICENCE BOARD OF ONTARIO

Serial No.
.....

O. Reg. 251/84, s. 8.

(4611) 19

PLANNING ACT, 1983

O. Reg. 252/84.
Zoning Areas—Geographic Township of
Otto in the Territorial District of Timis-
kaming.
Made—April 19th, 1984.
Filed—April 25th, 1984.

ORDER MADE UNDER THE
PLANNING ACT, 1983

ZONING AREAS—GEOGRAPHIC TOWNSHIP
OF OTTO IN THE TERRITORIAL DISTRICT
OF TIMISKAMING

1. In this Order,

- (a) “accessory”, when used to describe a use, building or structure, means a use, building or structure that is normally incidental or subordinate to a principal use, building or structure;
- (b) “dwelling unit” means one or more habitable rooms occupied or capable of being occupied as an independent and separate housekeeping establishment in which separate kitchen

and sanitary facilities are provided for the exclusive use of the unit with a private entrance from outside the building or from a common hallway or stairway inside the building;

- (c) “mobile home” means a dwelling unit that is designed to be made mobile and constructed or manufactured to provide a permanent residence for one or more persons, but does not include a travel trailer or tent trailer or trailer otherwise designed;
- (d) “mobile home park” means a parcel of land that has not been subdivided under the Act, in which mobile homes are located and individual sites are made available on a rental or lease basis;
- (e) “mobile home site” means an area of land within a mobile home park that is intended to be occupied by one mobile home. O. Reg. 252/84, s. 1.

2. This Order applies to that parcel of land situate in the geographic Township of Otto in the Territorial District of Timiskaming, being that part of Lot 4 in Concession VI more particularly described as Part 2 on a Plan deposited in the Land Registry Office for the Land Titles Division of Timiskaming (No. 54) as Number 54R-2658. O. Reg. 252/84, s. 2.

3. No land to which this Order applies shall hereafter be used and no building or structure shall hereafter be erected or used except in accordance with the terms of this Order, but nothing in this Order prevents the use of any land, building or structure for a purpose prohibited by this Order if the land, building or structure was lawfully used for such purpose on the day this Order comes into force. O. Reg. 252/84, s. 3.

4.—(1) Every use of land and every erection or use of buildings or structures on the land to which this Order applies is prohibited except the location and use thereon of a mobile home park containing not more than thirty mobile homes.

(2) A mobile home site shall have an area of at least 650 square metres.

(3) Not more than one mobile home shall be located on a mobile home site.

(4) Buildings or structures accessory to a mobile home may be erected and used on the same mobile home site as the mobile home. O. Reg. 252/84, s. 4.

5.—(1) Nothing in this Order prevents the reconstruction of any building or structure that is damaged or destroyed by uses beyond the control of the owner if the dimensions of the original building or structure are not increased or its original use altered.

(2) Nothing in this Order prevents the strengthening or restoration to a safe condition of any building or structure or part of any such building or structure. O. Reg. 252/84, s. 5.

CLAUDE F. BENNETT

Minister of Municipal Affairs

and Housing

Dated at Toronto, this 19th day of April, 1984.

(4612)

19

HIGHWAY TRAFFIC ACT

O. Reg. 253/84.
Tire Standards and Specifications.
Made—April 13th, 1984.
Filed—April 25th, 1984.

REGULATION TO AMEND

ONTARIO REGULATION 741/81

MADE UNDER THE

HIGHWAY TRAFFIC ACT

1. Section 1 of Ontario Regulation 741/81 is amended by relettering clause (a) as (aa) and by adding thereto the following clause:

(a) “aspect ratio” means the height of the tire section divided by the overall width of the tire, multiplied by 100;

2. Clause 4 (1) (b) of the said Regulation is revoked and the following substituted therefor:

(b) a mixture consisting of 50 or 60 aspect ratio tires on the front with any aspect ratio of tires other than 50 or 60 aspect ratio, on the rear;

(4613)

19

GAME AND FISH ACT

O. Reg. 254/84.
Fishing Licences.
Made—April 18th, 1984.
Filed—April 25th, 1984.

REGULATION TO AMEND

REGULATION 414 OF

REVISED REGULATIONS OF ONTARIO, 1980

MADE UNDER THE

GAME AND FISH ACT

1. Section 4 of Regulation 414 of Revised Regulations of Ontario, 1980, as amended by section 1 of Ontario Regulation 218/81 and by section 1 of Ontario Regulation 647/81, is revoked and the following substituted therefor:

4.—(1) A licence issued under paragraph 29 (1) (b) of the Ontario Fishery Regulations to take bait fish for commercial use by means of a bait fish trap, dip net or seine net shall be in Form 6.

(2) The fee for a licence in Form 6 to take bait fish by means of,

- (a) a dip net, is \$6; and
- (b) bait fish traps, is \$2.50 for each bait fish trap authorized by the licence.

(3) The fee for a licence in Form 6 to take bait fish by means of a seine net whose dimensions are,

- (a) not more than twenty metres by two metres, is \$12;
- (b) more than twenty metres by two metres but not more than thirty-one metres by two and one-half metres, is \$18; and
- (c) more than thirty-one metres by two and one-half metres but not more than forty-six metres by two and one-half metres, is \$24. O. Reg. 254/84, s. 1.

2. The said Regulation is further amended by adding thereto the following section:

4a.—(1) A licence issued under paragraph 29 (1) (b) of the Ontario Fishery Regulations to take fish for commercial use by means of a gill net, pound net, trap net, trawl net, hoop net, seine net, dip net or trammel net, or by means of hooks, shall be in Form 24.

(2) The fee for a licence in Form 24 to take fish by means of a gill net,

- (a) in Lake Superior, Lake Huron, including Georgian Bay and North Channel, Lake Erie, except that part described in clause (b), or Lake Ontario, except the Bay of Quinte, is the greater of,

- (i) \$24, or

- (ii) \$4 for every 1,000 metres of gill net authorized by the licence;

- (b) in that part of Lake Erie east of a line drawn south 21° 31' east astronomically or approximately south 16° 30' east magnetically from a point where the high water mark on the north shore of Lake Erie is intersected by the boundary between the counties of Elgin and Kent, authorizing the estimated taking of,

- (i) not more than fourteen tonnes of fish, is \$60, and

- (ii) more than fourteen tonnes of fish, is \$150;

- (c) in Bay of Quinte of Lake Ontario, is \$30;

- (d) in Lake Nipigon, authorizing the use of,

- (i) 5,500 metres of gill net, is \$36,

- (ii) 11,000 metres of gill net, is \$72, and

- (iii) 22,000 metres of gill net, is \$144; and

- (e) in any other waters, authorizing the use of,

- (i) 1,850 metres of gill net, is \$24, and

- (ii) 3,675 metres of gill net, is \$48.

(3) The fee for a licence in Form 24 to take fish by means of pound nets,

- (a) in Lake St. Clair, is \$8.50; and

- (b) in other waters, is \$12,

for each net authorized by the licence.

(4) The fee for a licence in Form 24 to take fish by means of,

- (a) trap nets, is \$12 for each trap net authorized by the licence;

- (b) a trawl net, is \$120;

- (c) hoop nets, is \$3.75 for each hoop net authorized by the licence.

(5) The fee for a licence in Form 24 to take fish by means of hooks,

- (a) in the Ottawa River, is \$30; and

- (b) in Lake St. Clair, is \$30 for every 300 hooks authorized by the licence.

(6) The fee for a licence in Form 24 to take fish, other than sturgeon or trout of any species, in other waters than the Ottawa River and Lake St. Clair, is \$6 for every 150 hooks authorized by the licence.

(7) The fee for a licence in Form 24, to take fish other than bait fish by means of a seine net,

- (a) in Long Point Bay of Lake Erie, is \$60;

- (b) in Lake St. Clair and the Detroit River and their tributaries lying within the counties of Essex and Kent, is \$12 for every 100 metres of seine net authorized by the licence; and

- (c) in other waters, is \$24 for every 100 metres of seine net authorized by the licence.

(8) The fee for a licence in Form 24 to take fish by means of a trammel net is \$24 for every 100 metres authorized by the licence. O. Reg. 254/84, s. 2.

3. Section 8 of the said Regulation, as amended by section 1 of Ontario Regulation 629/82, is revoked and the following substituted therefor:

8. The holder of a licence in Form 24 shall,

- (a) make,

- (i) a monthly return, in Form 15 where no fishing has been done under the licence during the month and in Form 16 in all other cases, and

- (ii) a return in Form 25 for every sale of fish, except a sale to the owner or manager of a fish plant registered under the *Fish Inspection Act* (Canada),

and forward the returns to the district manager or an officer designated by him on or before the 8th day of the month following that for which the returns are made; and

- (b) make an annual return in Form 17 and forward the return to the district manager not later than the 31st day of January next following the expiry of the licence. O. Reg. 254/84, s. 3.

4. Subsection 9 (1) of the said Regulation is revoked.

5. Section 10 of the said Regulation is amended by striking out “7, 8, 13 or 14” in the first line and inserting in lieu thereof “13, 14 or 24”.
- 6.—(1) Form 13 of the said Regulation is amended by striking out “\$10.00” in the fourth line and inserting in lieu thereof “\$12.00”.

- (2) Form 14 of the said Regulation is amended by striking out “\$5.00” in the fourth line and inserting in lieu thereof “\$6.00”.
7. Forms 7, 8 and 16 of the said Regulation are revoked and the following substituted therefor:

[illegible]

Form 24
Game and Fish Act



Ministry of
Natural
Resources Commercial Fishing Licence
Game and Fish Act

Licence No.
Licence Fee \$

Under the Game and Fish Act, and the Regulations, and subject to the limitations thereof and the limitations of the Fisheries Act and of the Ontario Fishery Regulations, this licence is granted to

Name(s)	
Mailing Address	
	Postal Code

To take and sell: the specified species of fish in the quantities specified herein subject to the conditions attached and marked Appendix "A", "B" and "C" which all form part of this licence, and in the waters as described below:

--

This licence is issued subject to further licences being granted for the waters mentioned hereon.
This licence is issued subject to annual amendment in respect to quota or other management requirements.

Signature of Licensee(s)

Date of Issue	Expiry Date	Place of Issue
Not valid unless signed by Licence Issuer and Licensee(s).		Signature of Licence Issuer

Serial No.

Distribution: Pt. 1 Licensee(s)
 Pt. 2 District Office
 Pt. 3 Conservation Officer



Ministry of
Natural
Resources

Commercial Fishing Licence

Appendix A

The person(s) holding licence no. _____ is/are authorized to take and transport commercial fish by means of the vessels as described below:

Identification

I, we,

The person(s) holding licence no. _____ designate the person(s) named hereunder to conduct on my/our behalf in my/our absence commercial fishing under the authority of licence no. _____ :

Designate	Signature of Designate

Signature of Licensee(s)	Signature of Licence Issuer	Date

Not valid unless signed by Licence Issuer and Licensee(s).

Serial No.

To be typed in by Issuer as required.

- Distribution:
- Pt. 1 Licensee(s)
 - Pt. 2 District Office
 - Pt. 3 Conservation Officer

The Person(s) holding Commercial Fishing Licence No. _____ may take the specified species of fish mentioned in Column 1 of Appendix C in the specified quantities mentioned in Column 2 of Appendix C, subject to the following conditions:

I have read and understood the conditions of this licence.	Signature of Licensee(s)
Date of Issue	Place of Issue
Not valid unless signed by Licence Issuer and Licensee(s).	Signature of Licence Issuer

To be typed in by Issuer as required.

Serial No.

Distribution:

Pt. 1


Licensee(s)

Pt. 2

District Office

Pt. 3

Conservation Officer



Ministry of
Natural
Resources
Ontario

Commercial Fishing Licence Quotas

Licence No.

Appendix C

Legend: (No.) - Amount of Quota
Unl. - Unlimited Quotas
X - No Harvest Permitted

Fish Species	Quantities of the named fish species in kilogram in round weight for which this licence is valid in Fishing Area No.(specify)

Signature of Licensee(s)		Place of Issue
Serial No.	Date of Issue	Signature of Licence Issuer

Form 25
Game and Fish Act



Ministry of
Natural
Resources

Ontario

Official Receipt and
Export Permit
No. _____
Fish caught under the authority of licence no. _____

Code to be used		Indicate measure used
F — filleted	H — headless dressed	<input type="checkbox"/> Pounds
D — dressed	L — live	<input type="checkbox"/> kilograms
R — round		

☐ Fish sold to or ☐ Exported to (check one)

Name	Date month day 19
Address	

Species	Weight	Form (use Code above)	Price	Amount	
Yellow pickerel					
Lake whitefish					
Northern pike					
Yellow perch					
Lake Trout					
Other(s) — list					
Total					

I certify that the above information is true and complete.

Signature of Licensee or Vendor	Signature of Receiver

Distribution: Pt. 1 — Receiver to accompany shipment while in transit. Pt. 2 — Attached to cf1 Pt. 3 — Retained in book for Vendor's/ Licensee's records.

ONTARIO UNCONDITIONAL GRANTS ACT

O. Reg. 255/84.

Determination of Apportionments and
Levies, 1984.

Made—April 18th, 1984.

Filed—April 25th, 1984.

REGULATION MADE UNDER THE ONTARIO UNCONDITIONAL GRANTS ACT

DETERMINATION OF APPORTIONMENTS AND LEVIES, 1984

1. In this Regulation,

(a) "average equalization factor" means, for a municipality other than a municipality within the district board area of the District of Parry Sound Welfare Administration Board, Parry Sound Home for the Aged (East) and Parry Sound Home for the Aged (West), the equalization factor as set out in Column 3 of Schedule 1;

(b) "commercial assessment" means the total of,

(i) the assessment for real property that is used as a basis for computing business assessment including the assessment for real property that is rented and is occupied or used by the Crown in right of Canada, or any province or any board, commission, corporation or other agency thereof, or by any municipal or regional corporation or local board thereof,

(ii) the business assessment, and

(iii) the assessment for mineral lands, railway lands, other than railway lands actually in use for residential and farming purposes, and pipelines,

according to the last returned assessment roll;

(c) "conservation authority" means a conservation authority that makes an apportionment in 1984 on the basis of discounted equalized assessment;

(d) "conservation authority area" means the area over which a conservation authority has jurisdiction;

(e) "conservation authority levy" means the amount required for administrative and capital costs in 1984 by a conservation authority for conservation authority purposes;

(f) "discount factor" means the discount factor for an upper tier municipality, a district

board or a conservation authority located within a district board area as set out in Column 2 of Schedule 2;

(g) "discounted assessment of a lower tier municipality" means the sum of,

(i) the product obtained by multiplying the residential and farm assessment by the discount factor prescribed for that upper tier municipality, district board or conservation authority located within a district board area,

(ii) the commercial assessment, and

(iii) the equivalent assessment for the municipality as determined under Part I, II or III, as the case may be;

(h) "discounted equalized assessment of a lower tier municipality" means the discounted assessment of a lower tier municipality divided by its average equalization factor and multiplied by 100;

(i) "district board" means a district welfare administration board or a board of management for a home for the aged that is required by the Act establishing it to make an apportionment in 1984 on the basis of equalized assessment;

(j) "district board area" means the area over which a district board has jurisdiction;

(k) "equalization factor" means the equalization factor for a municipality as published in *The Ontario Gazette* in 1983 under subsection 55 (3) of the *Assessment Act*;

(l) "household" means a parcel of land separately assessed under paragraph 2 of subsection 13 (2) of the *Assessment Act* according to the last returned assessment roll which is required to be returned to the clerk of the municipality in 1983 in accordance with section 35 of the *Assessment Act* that is used or intended to be used as a residence, except that in respect of a Canadian forces base, "household" means a self-contained living unit consisting of two or more rooms in which the occupants usually sleep and prepare and serve meals;

(m) "last returned assessment roll" means, for regional, county and defined area apportionments, the assessment roll required to be returned to the clerk of the municipality in 1983 in accordance with section 35 of the *Assessment Act*, and for district board and conservation authority apportionments, the assessment roll required to be returned to the clerk of the municipality in 1982 in accordance with section 35 of the *Assessment Act*;

- (n) "lower tier municipality" means,
- (i) an area municipality defined in any Act establishing a regional municipality,
 - (ii) a municipality required to provide moneys to a county for county purposes under subsection 365 (6) of the *Municipal Act*, and
 - (iii) a municipality that is located wholly or partly within a district board area or a conservation authority area and against which an apportionment utilizing equalized assessment is to be made in 1984 by the district board or conservation authority;
- (o) "Minister" means the Minister of Municipal Affairs and Housing;
- (p) "Municipal Board" means the Ontario Municipal Board;
- (q) "1983 apportionment guarantee grant" means the aggregate dollar amount determined under sections 8, 17, 28 and 38 of Ontario Regulation 289/83;
- (r) "1983 apportionment guarantee grant for conservation authority purposes" means the portion or total of the dollar amount determined under sections 17, 28 and 38 of Ontario Regulation 289/83, payable to a lower tier municipality for conservation authority purposes;
- (s) "1983 conservation authority levy" means the amount required for administrative and capital costs in 1983 by a conservation authority for conservation authority purposes;
- (t) "1983 sharing responsibility", when used with reference to a special levy, means, for each lower tier municipality in a special regional area or special county area, the percentage share of the special levy as set out in Column 2 of Schedule 1;
- (u) "1983 sharing responsibility for general purposes" means, for each lower tier municipality in a regional municipality, county or district board area, the percentage share of the levy for general purposes as set out in Column 2 of Schedule 1;
- (v) "1982 conservation authority levy" means the amount required for administrative and capital costs in 1982 by a conservation authority for conservation authority purposes;
- (w) "1982 sharing responsibility", when used with reference to a special levy, means, for each lower tier municipality in a special reg-

ional area or special county area, the percentage share of the special levy as set out in Column 2 of Schedule 2 to Ontario Regulation 289/83;

- (x) "1982 sharing responsibility for general purposes" means, for each lower tier municipality in a regional municipality, county, or district board area, the percentage share of the levy for general purposes as set out in Column 2 of Schedule 2 to Ontario Regulation 289/83;
- (y) "residential and farm assessment" means the total assessment for real property according to the last returned assessment roll except the assessments for real property mentioned in subclauses (b) (i) and (iii). O. Reg. 255/84, s. 1.

PART I

REGIONAL MUNICIPALITIES

2.—(1) In this Part,

- (a) "annual sum required for regional purposes" means the amount required in 1984 by a regional municipality for general regional purposes including the sums required for any board, commission or other body but excluding sums required for school purposes;
- (b) "apportionment" means an apportionment of an annual sum required for regional purposes among all the area municipalities within a regional municipality made under the Act establishing the regional municipality;
- (c) "area municipality" means an area municipality defined in any Act establishing a regional municipality;
- (d) "average municipal commercial mill rate" means, in respect of an area municipality, the rate obtained by dividing the total taxes levied for all purposes other than for school purposes, and under sections 32 and 33 of the *Assessment Act*, on the commercial assessment for the preceding year by the total commercial assessment for the preceding year, multiplied by 1000;
- (e) "average overall commercial mill rate" means, in respect of an area municipality, the rate obtained by dividing the total taxes levied for all purposes, other than under sections 32 and 33 of the *Assessment Act*, on the commercial assessment of public school supporters in the preceding year by the total commercial assessment of public school supporters for the preceding year, multiplied by 1000;

(f) "discounted equalized assessment of a regional municipality" means the total of the discounted equalized assessments of all area municipalities within the regional municipality;

(g) "equivalent assessment" means the sum of,

- (i) the valuations contained on the last returned assessment roll for which payments in lieu of taxes including a payment in respect of regional levies, are payable from the Crown in right of Canada or the Crown in right of Ontario or any board, commission, corporation or other agency thereof or Ontario Hydro or any other government, government agency or person where such entitlement is in lieu of taxes on real property and business assessment, except that for those valuations where payment is predicated on the current year's residential and farm mill rate, the valuations shall be reduced by multiplying that assessment by the appropriate upper tier discount factor for purposes of determining a discounted assessment for that area municipality,

(ii) the amount determined by dividing the aggregate of the 1984 entitlements under,

(A) section 160 of the *Municipal Act*,

(B) the *International Bridges Municipal Payments Act, 1981* and any agreement providing payments in lieu of taxes for international bridges, and

(C) section 4 of the *Provincial Parks Municipal Tax Assistance Act*, as determined by the date of filing of this Regulation,

by the average municipal commercial mill rate and multiplying the result by 1000, and

(iii) the amount determined by dividing the 1984 entitlements under section 161 of the *Municipal Act* by the average overall commercial mill rate and multiplying the result by 1000;

(h) "1983 annual sum required for regional purposes" means the amount required in 1983 by a regional municipality for general regional purposes including the sums required for any board, commission or other body but excluding sums required for school purposes;

(i) "1983 special levy" means an amount apportioned among and levied upon two or more area municipalities by a regional municipality in 1983 for library, sewage or transit purposes on the basis of equalized assessment where such amount was not included in the 1983 annual sum required for regional purposes;

(j) "1982 annual sum required for regional purposes" means the amount required in 1982 by a regional municipality for general regional purposes including the sums required for any board, commission or other body but excluding sums required for school purposes;

(k) "1982 special levy" means an amount apportioned among and levied upon two or more area municipalities by a regional municipality in 1982 for library, sewage or transit purposes on the basis of equalized assessment where such amount was not included in the 1982 annual sum required for regional purposes;

(l) "regional municipality" includes the County of Oxford but does not include The Regional Municipality of Peel, The Municipality of Metropolitan Toronto or The District Municipality of Muskoka;

(m) "special levy" means an amount apportioned among and levied upon two or more area municipalities by a regional municipality for library, sewage or transit purposes on the basis of equalized assessment where the amount is not included in the annual sum required for regional purposes;

(n) "special regional area" means an area comprised of those area municipalities among which a special levy is to be apportioned in 1984.

(2) Notwithstanding subclause (1) (g) (i), with respect to each area municipality in The Regional Municipality of Ottawa-Carleton, the estimated valuations as set out in Column 2 of Schedule 3 for which payments in lieu of taxes are payable from the Crown in right of Canada shall be substituted for the valuations contained on the last returned assessment roll for which payments in lieu of taxes are payable from the Crown in right of Canada.

(3) The Regional Municipality of Ottawa-Carleton shall notify the Ministry of Revenue and the Ministry of Municipal Affairs and Housing when the valuations determined by the Crown in right of Canada for 1983 for which payments in lieu of taxes are payable from the Crown in right of Canada are finalized for all area municipalities within the regional municipality and such valuations shall be substituted for the estimated valuations as set out in Column 2 of Schedule 3 and the apportionments and the apportionment guarantee grants shall be redetermined accordingly.

(4) Notwithstanding sub-subclause (1) (g) (ii) (B), with respect to the Town of Fort Erie in The Regional Municipality of Niagara, the estimated amount of \$137,800 shall be substituted for the payment in lieu of taxes in respect of the international bridge commonly known as the Peace Bridge.

(5) The Town of Fort Erie shall notify the Ministry of Revenue and the Ministry of Municipal Affairs and Housing when the payment in lieu of taxes in respect of the Peace Bridge is finalized and such payment in lieu of taxes shall be substituted for the estimated amount provided in subsection (4) and the apportionment and apportionment guarantee grants shall be redetermined accordingly. O. Reg. 255/84, s. 2.

3. In 1984, the Ministry of Revenue shall determine,

- (a) the discounted equalized assessment of each area municipality; and
- (b) the discounted equalized assessment of each regional municipality. O. Reg. 255/84, s. 3.

4. The Ministry of Revenue shall in respect of each regional municipality determine the percentage share of apportionment, correct to three decimal places, for each area municipality within the regional municipality by dividing the discounted equalized assessment of each area municipality as determined under clause 3 (a) by the discounted equalized assessment of the regional municipality as determined under clause 3 (b) and multiplying the result by 100. O. Reg. 255/84, s. 4.

5. The discounted equalized assessment determined under clause 3 (a) and the respective percentage share of apportionment determined for each area municipality under section 4 shall be substituted for the weighted equalized assessment or equalized assessment in the notice of the weighted equalized assessment or equalized assessment of each area municipality that is sent, under an Act establishing a regional municipality, by the Ministry of Revenue to a regional municipality and to the area municipalities. O. Reg. 255/84, s. 5.

6. For 1984, the apportionment of an annual sum required for regional purposes among the area municipalities within a regional municipality shall be made on the basis of the percentages determined for each area municipality under section 4. O. Reg. 255/84, s. 6.

7.—(1) Sections 1, 2, 3, 4, 6, 8, and 9 apply with necessary modifications to a special levy in 1984 and to a special regional area as if a special levy was the annual sum required for regional purposes of the regional municipality and the special regional area was the regional municipality.

(2) Notwithstanding anything in this Regulation, where the Act authorizing a special levy authorizes the special levy to be apportioned among area municipali-

ties according to the assessment for the whole or for a specified part of the area municipality and where a regional municipality proposes to use the assessment for part only of an area municipality in apportioning a special levy in accordance with that Act, the assessment for that part of the area municipality shall, for the purposes of subsection (1), be deemed to be the assessment for the whole area municipality. O. Reg. 255/84, s. 7.

8.—(1) For the purposes of determining grant eligibility, the Ministry of Municipal Affairs and Housing shall make determinations in the same manner as is prescribed under sections 2, 3, 4, and 7 and the determinations shall be based on the assessment roll as last returned to the clerk of the municipality under section 35 of the *Assessment Act* and on the equivalent assessments that by this Regulation are required to be added to the real property and business assessment for apportionment purposes.

(2) The Ministry of Municipal Affairs and Housing shall determine, for each area municipality within a regional municipality,

- (a) the dollar amount obtained by subtracting from the 1983 apportionment guarantee grant to that area municipality the product obtained by multiplying the total number of households in that area municipality by ten dollars; and
- (b) if the amount obtained under clause (a) is greater than zero,
 - (i) the least of the annual sum required for regional purposes, the 1983 annual sum required for regional purposes, and the 1982 annual sum required for regional purposes of the regional municipality,
 - (ii) the least of the special levy, the 1983 special levy and the 1982 special levy on a special regional area,
 - (iii) the dollar amount obtained by multiplying the least of the percentage determined under section 4, the 1983 sharing responsibility for general purposes and the 1982 sharing responsibility for general purposes for that area municipality by the amount determined under subclause (i),
 - (iv) the dollar amount obtained by multiplying the least of the percentage determined under section 7, the 1983 sharing responsibility and the 1982 sharing responsibility for each special levy for that area municipality within a special regional area by the amount determined under subclause (ii),
 - (v) the dollar amount obtained by multiplying the lesser of the 1983 sharing

responsibility for general purposes and the 1982 sharing responsibility for general purposes for that area municipality by the lesser of the 1983 annual sum required for regional purposes and the 1982 annual sum required for regional purposes,

- (vi) the dollar amount obtained by multiplying the lesser of the 1983 sharing responsibility and the 1982 sharing responsibility for each special levy for that area municipality within a special regional area by the lesser of the 1983 special levy and the 1982 special levy,
- (vii) the sum of the dollar amounts obtained under subclauses (iii) and (iv),
- (viii) the sum of the dollar amounts obtained under subclauses (v) and (vi),
- (ix) the dollar change obtained by subtracting the sum determining under subclause (vii) from the sum determined under subclause (viii), and
- (x) the apportionment guarantee grant by,
 - (A) if the dollar change determined under subclause (ix) is greater than zero, subtracting the dollar change obtained under subclause (ix) from the dollar amount obtained under clause (a), or
 - (B) if the dollar change determined under subclause (ix) is equal to zero, taking the dollar amount obtained under clause (a).

(3) The Ministry of Municipal Affairs and Housing shall notify the treasurer of the area municipality of the amount of the apportionment guarantee grant, determined under subsection (2), and the Minister shall pay to the area municipality such amount, if any.

(4) The amount payable under subsection (3) in respect of the annual sum required for regional purposes and the special levies shall be deducted by the area municipality from the annual sum and the levies, in the manner determined by the council of the area municipality, and the net amounts so determined shall be the amounts to be raised by the area municipality in 1984. O. Reg. 255/84, s. 8.

9.—(1) Where the equalization factor, the residential and farm assessment, the commercial assessment or the equivalent assessment, as determined under this Part, of one or more area municipalities within a regional municipality is altered by the Municipal Board

upon an appeal, the treasurer of the regional municipality shall determine what portion of the annual sum required for regional purposes would have been apportioned to each of the area municipalities within the regional municipality in 1984 under this Regulation.

(2) Where the Municipal Board alters for 1984 the equalization factor, the residential and farm assessment, the commercial assessment or the equivalent assessment, as determined under this Part, of an area municipality as described in subsection (1), the Ministry of Municipal Affairs and Housing shall redetermine the grant eligibility of each area municipality within the regional area in accordance with subsections 8 (1) and (2) on the basis of the altered equalization factor, residential and farm assessment, commercial assessment or equivalent assessment, as the case may be, and the Minister shall adjust the amount payable under subsection 8 (3) accordingly. O. Reg. 255/84, s. 9.

10. The revised portion determined in respect of an area municipality under subsection 9 (1) less the revised amount payable under subsection 9 (2) in respect of that area municipality shall for the purposes of this Regulation be deemed to be the amount that such area municipality is required to raise as its share of the annual sum required for regional purposes for 1984. O. Reg. 255/84, s. 10.

11.—(1) Sections 3 to 10 do not apply to The Regional Municipality of York and the area municipalities within the Regional Municipality.

(2) The Regional Municipality of York shall apportion the annual sum required for regional purposes among all the area municipalities within the Regional Municipality on the basis of the percentages listed in Column 2 of Schedule 4. O. Reg. 255/84, s. 11.

PART II

COUNTIES

12. In this Part,

- (a) “annual sum required for county purposes” means the amount required in 1984 by a county municipality for general county purposes including the sums required for any board, commission or other body but excluding sums required for school purposes;
- (b) “apportionment” means an apportionment of the annual sum required for county purposes among all lower tier municipalities within a county under subsection 365 (6) of the *Municipal Act*;
- (c) “average municipal commercial mill rate” means, in respect of a lower tier municipality, the rate obtained by dividing the total taxes levied for all purposes, other than for school purposes and under sections 32 and 33

of the *Assessment Act*, on the commercial assessment for 1982 by the total commercial assessment for 1982 multiplied by 1000;

(d) "discounted equalized assessment of the county" means the total of the discounted equalized assessments of all lower tier municipalities within the county;

(e) "Ministry" means the Ministry of Municipal Affairs and Housing;

(f) "1983 annual sum required for county purposes" means the amount required in 1983 by a county municipality for general county purposes including the sums required for any board, commission, or other body but excluding sums required for school purposes;

(g) "1983 special levy" means an amount apportioned among and levied upon two or more lower tier municipalities in 1983 by a county for county road or library purposes on the basis of equalized assessment where such amount was not included in the 1983 annual sum required for county purposes;

(h) "1982 annual sum required for county purposes" means the amount required in 1982 by a county municipality for general county purposes including the sums required for any board, commission, or other body but excluding sums required for school purposes;

(i) "1982 special levy" means an amount apportioned among and levied upon two or more lower tier municipalities in 1982 by a county for county road or library purposes on the basis of equalized assessment where such amount was not included in the 1982 annual sum required for county purposes;

(j) "special county area" means an area comprised of those lower tier municipalities among which a special levy is to be apportioned in 1984;

(k) "special levy" means an amount apportioned among and levied upon two or more lower tier municipalities by a county for county road or library purposes on the basis of equalized assessment where that amount is not included in the annual sum required for county purposes. O. Reg. 255/84, s. 12.

13. The clerk of each lower tier municipality shall provide in writing to the clerk of the county in which the municipality is located a statement indicating with respect to the lower tier municipality,

- (a) its average equalization factor;
- (b) its residential and farm assessment;
- (c) its commercial assessment;

(d) its total payments in lieu of taxes for 1982 as defined in clause 365 (1) (j) of the *Municipal Act*;

(e) its portion of payments in lieu of taxes as determined under clause (d) not allocated for school purposes; and

(f) its equivalent assessment for apportionment purposes, obtained by dividing the portion of payments in lieu of taxes for 1982 as determined under clause (e) by the average municipal commercial mill rate and multiplying the result by 1000. O. Reg. 255/84, s. 13.

14. In 1984, the treasurer of each county shall determine,

(a) the discounted equalized assessment of each lower tier municipality in the county; and

(b) the discounted equalized assessment of the county. O. Reg. 255/84, s. 14.

15. The treasurer of each county shall determine the percentage share of apportionment, correct to three decimal places, for each lower tier municipality within the county by dividing the discounted equalized assessment of each lower tier municipality as determined under clause 14 (a) by the discounted equalized assessment of the county as determined under clause 14 (b) and multiplying the result by 100. O. Reg. 255/84, s. 15.

16. Sections 12 to 15 and 17 to 19 apply with necessary modifications to a special levy of a county in 1984 and to the special county area as if the special levy was a levy of the county under subsection 365 (6) of the *Municipal Act* and the special county area was the county. O. Reg. 255/84, s. 16.

17.—(1) For the purpose of determining grant eligibility, the Ministry shall make determinations in the manner prescribed under sections 12 to 16, and the determinations under this subsection shall be based on the assessment roll as last returned to the clerk of the municipality under section 35 of the *Assessment Act*, and on the equivalent assessments that, by this Regulation, are required to be added to the real property and business assessment for apportionment purposes.

(2) The Ministry shall determine for each lower tier municipality within a county,

(a) the dollar amount obtained by subtracting from the 1983 apportionment guarantee grant to that lower tier municipality the product obtained by multiplying the total number of households in that lower tier municipality by five dollars; and

(b) if the dollar amount obtained under clause (a) is greater than zero,

- (i) the least of the annual sum required for county purposes, the 1983 annual sum required for county purposes and the 1982 annual sum required for county purposes of the county,
- (ii) the least of the special levy, the 1983 special levy and the 1982 special levy on a special county area,
- (iii) if the lower tier municipality is within a conservation authority area, the least of the conservation authority levy, the 1983 conservation authority levy and the 1982 conservation authority levy of the conservation authority,
- (iv) the dollar amount obtained by multiplying the least of the percentage determined under section 15, the 1983 sharing responsibility for general purposes and the 1982 sharing responsibility for general purposes for the lower tier municipality by the amount determined under subclause (i),
- (v) the dollar amount obtained by multiplying the least of the percentage determined under section 16, the 1983 sharing responsibility and the 1982 sharing responsibility for each special levy for that lower tier municipality within a special county area by the amount determined under subclause (ii),
- (vi) if the lower tier municipality is within a conservation authority area, the dollar amount obtained by multiplying the amount determined under subclause (iii) by,
 - (A) except for each lower tier municipality in the Ganaraska Region Conservation Authority area, the least of the percentage determined under section 33, the percentage share determined under section 33 of Ontario Regulation 289/83 and the percentage share as determined under section 32 of Ontario Regulation 648/82,
 - (B) for each lower tier municipality in the Ganaraska Region Conservation Authority area, the least of the percentage share determined under section 33, the percentage share as set out in Column 3 of Schedule 5 and the percentage share as set out in Column 3 of Schedule 6,
- (vii) the dollar amount obtained by multiplying the lesser of the 1983 sharing responsibility for general purposes and the 1982 sharing responsibility for general purposes for the lower tier municipality by the lesser of the 1983 annual sum required for county purposes and the 1982 annual sum required for county purposes,
- (viii) the dollar amount obtained by multiplying the lesser of the 1983 sharing responsibility and the 1982 sharing responsibility for each special levy for that lower tier municipality within a special county area by the lesser of the 1983 special levy and the 1982 special levy,
- (ix) if the lower tier municipality is within a conservation authority area, the dollar amount obtained by multiplying the lesser of the 1983 conservation authority levy and the 1982 conservation authority levy by,
 - (A) except for each lower tier municipality in the Ganaraska Region Conservation Authority area, the lesser of the percentage share as determined under section 33 of Ontario Regulation 289/83, and the percentage share as determined under section 32 of Ontario Regulation 648/82,
 - (B) for each lower tier municipality in the Ganaraska Region Conservation Authority area, the lesser of the percentage share as set out in Column 3 of Schedule 5 and the percentage share as set out in Column 3 of Schedule 6,
- (x) the sum of all the dollar amounts obtained under subclauses (iv), (v) and (vi),
- (xi) the sum of all the dollar amounts obtained under subclauses (vii), (viii) and (ix),
- (xii) the dollar change obtained by subtracting the sum obtained under subclause (x) from the sum obtained under subclause (xi), and
- (xiii) the apportionment guarantee grant by,
 - (A) if the dollar change determined under subclause (xii) is greater than zero, subtracting the dol-

lar change obtained under subclause (xii) from the dollar amount obtained under clause (a), or

- (B) if the dollar change determined under subclause (xii) is equal to zero, taking the dollar amount obtained under clause (a).

(3) The Ministry shall notify the treasurer of each lower tier municipality of the amount of the apportionment guarantee grant determined under subsection (2), and the Minister shall pay such amount, if any, to each lower tier municipality within a county which apportions the annual sum required for county purposes on the basis of the apportionment prescribed in this Regulation.

(4) Where the Minister has paid an apportionment guarantee grant to a lower tier municipality and the county subsequently fails to apportion the annual sum required for county purposes on the basis of the apportionment prescribed in this Regulation, the grant paid under subsection (3) to the lower tier municipality shall be repayable to the Minister.

(5) Where a lower tier municipality is not within a conservation authority area, the amount payable under subsection (3) shall be deducted by the lower tier municipality from the county levy and the special levy as determined by the council of the lower tier municipality and the net amount so determined shall be the amount to be raised by the municipality in 1984.

(6) Where a lower tier municipality received a 1983 apportionment guarantee grant for conservation authority purposes less than the product obtained by multiplying the number of households in that lower tier municipality by five dollars, then the amount payable under subsection (3) shall be deducted by the lower tier municipality from the county levy and the special levy as determined by the council of the lower tier municipality and the net amount so determined shall be the amount to be raised by the municipality in 1984.

(7) Where a lower tier municipality received a 1983 apportionment guarantee grant for conservation authority purposes greater than the product obtained by multiplying the number of households in the lower tier municipality by five dollars, the lower tier municipality shall deduct from the grant paid under subsection (3), the dollar amount obtained by subtracting from the 1983 apportionment guarantee grant for conservation authority purposes, the product obtained by multiplying the number of households in the lower tier municipality by five dollars and apply that dollar amount to reduce the conservation authority levy and the remainder of the grant shall be deducted by the lower tier municipality from the county levy and special levy as determined by the council of the lower tier municipality and the net amount so determined shall be the amount to be raised by the municipality in 1984. O. Reg. 255/84, s. 17.

18. Unless an amending by-law is passed under subsection 365 (9) of the *Municipal Act*, a by-law passed by the council of a county under subsection 365 (6) of that Act shall apportion the annual sum required for county purposes on the basis of the percentage determined for each lower tier municipality under section 15, and the amount that each lower tier municipality is required to provide shall be the amount so determined. O. Reg. 255/84, s. 18.

19. Where the council of the county finds a determination made under section 14, 15, or 16 to be incorrect, the council on or before the 31st day of December, 1984 shall amend the percentage shares of apportionment as set out in the by-law passed under subsection 365 (6) of the *Municipal Act* and shall notify the Ministry of such amendment. O. Reg. 255/84, s. 19.

20. Where a by-law of a county passed under subsection 365 (6) of the *Municipal Act* is amended by a by-law passed under subsection 365 (9) of that Act, the amending by-law shall specify the amount to be provided by each lower tier municipality within the county in 1984. O. Reg. 255/84, s. 20.

21.—(1) Where the Municipal Board, upon an appeal under subsection 365 (11) of the *Municipal Act*, determines that the equalization factor, the residential and farm assessment, commercial assessment, or the equivalent assessment, as determined under this Part, of one or more lower tier municipalities within a county should be altered, or an adjustment of percentage shares is made by the Municipal Board under subsection 365 (18) of that Act or the clerk of a county receives written notification from the clerk of a lower tier municipality indicating a revision to the statement supplied in accordance with section 13, the treasurer of the county shall determine what the responsibility of each lower tier municipality would have been in accordance with sections 14 to 16 and section 18 and the council of the county shall, by amending the by-law passed under subsection 365 (6) of the *Municipal Act*, adjust accordingly the amounts to be provided by each lower tier municipality.

(2) Where as a result of an appeal to the Municipal Board the treasurer of the county alters for the year 1984 the percentage share of responsibility for a lower tier municipality as described in subsection (1) or the council of the county amends its apportionment by-law in accordance with section 19, the Ministry shall redetermine the grant eligibility of each lower tier municipality within the county in accordance with subsection 17 (1) and (2), and the Minister shall adjust the amount payable to each lower tier municipality under subsection 17 (3) accordingly.

PART III

DISTRICT BOARDS

22.—(1) In this Part,

- (a) "apportionment" means an apportionment made by a district board among all the

municipalities within the district board area of a total amount required for the purposes of the district board under the Act establishing the district board;

- (b) "average municipal commercial mill rate" means in respect of a lower tier municipality, the rate obtained by dividing the total taxes levied for all purposes, other than for school purposes and under sections 32 and 33 of the *Assessment Act*, on the commercial assessment in 1982 by the total commercial assessment for 1982, multiplied by 1000;
- (c) "average overall commercial mill rate" means in respect of a lower tier municipality, the rate obtained by dividing the total taxes levied for all purposes, other than under sections 32 and 33 of the *Assessment Act*, on the commercial assessment of public school supporters for 1982 by the total commercial assessment for 1982, multiplied by 1000;
- (d) "discounted equalized assessment of a district board" means the total of the discounted equalized assessments of all municipalities within the district board area;
- (e) "equivalent assessment" means the sum of,
 - (i) the valuations contained on the last returned assessment roll for which payments in lieu of taxes are payable from the Crown in right of Canada or the Crown in right of Ontario or any board, commission, corporation or other agency thereof or Ontario Hydro or any other government, government agency or person where such entitlement is in lieu of taxes on real property and business assessment, except that for those valuations where payment is predicated on the residential and farm mill rate, the valuations shall be reduced by multiplying that assessment by the appropriate discount factor for purposes of determining a discounted assessment for that lower tier municipality,
 - (ii) the amount determined by dividing the aggregate of the 1983 entitlements under subsection 8 (1) of the Act, section 160 of the *Municipal Act* and section 4 of the *Provincial Parks Municipal Tax Assistance Act* by the average municipal commercial mill rate and multiplying the result by 1000, and
 - (iii) the amount determined by dividing the 1983 entitlements under section 161 of the *Municipal Act* by the average overall commercial mill rate and multiplying the result by 1000;

(f) "Ministry" means the Ministry of Revenue;

(g) "municipality" means,

- (i) a lower tier municipality, except an area municipality in The Regional Municipality of Sudbury, and

- (ii) The Regional Municipality of Sudbury;

(h) "municipality within a district board area" means a municipality that is located within a district board area and against which an apportionment is to be made in 1984 by the district board;

(i) "1983 total sum required for district board purposes" means a total amount required in 1983 for the purposes of the district board;

(j) "1982 total sum required for district board purposes" means a total amount required in 1982 for the purposes of the district board.

(2) For the purposes of this Part, the discounted equalized assessment of The Regional Municipality of Sudbury is the sum of the discounted equalized assessments of the lower tier municipalities within the Regional Municipality. O. Reg. 255/84, s. 22.

23. In 1984, the Ministry shall determine in respect of each district board,

- (a) the discounted equalized assessment of each municipality within the district board area; and

- (b) the discounted equalized assessment of each district board. O. Reg. 255/84, s. 23.

24. The Ministry shall in respect of every district board determine the percentage share of apportionment, correct to three decimal places, for each municipality within the district board area by dividing the discounted equalized assessment of each municipality as determined under clause 23 (a) by the discounted equalized assessment of the district board as determined under clause 23 (b) and multiplying the result by 100. O. Reg. 255/84, s. 24.

25. The discounted equalized assessment determined under clause 23 (a) and the respective percentage share of apportionment determined for each municipality under section 24 shall be substituted for the weighted equalized assessment or equalized assessment in the notice of the weighted equalized assessment or equalized assessment of each municipality that is sent, under an Act establishing a district board, by the Ministry to a district board. O. Reg. 255/84, s. 25.

26.—(1) For 1984, the apportionment of the total sum required for district board purposes among the municipalities within a district board area shall be

made on the basis of the percentages determined for each municipality under section 24.

(2) The Ministry shall submit to each district board, a statement showing the information mentioned in clauses 23 (a) and (b), and the calculations which produced that information.

(3) Upon receipt of the statement referred to in subsection (2), the district board shall forthwith forward a copy of the statement to the clerk of each municipality within the district board area. O. Reg. 255/84, s. 26.

27. Each district board shall forward to the Ministry of Municipal Affairs and Housing a statement showing the total amount apportioned for 1984 among the municipalities within the district board area under the Act establishing the district board, as modified by subsection 26 (1). O. Reg. 255/84, s. 27.

28.—(1) For the purpose of determining grant eligibility, the Ministry of Municipal Affairs and Housing shall make determinations in the same manner as is prescribed under sections 22, 23 and 24 and the determinations under this subsection shall be based on the last returned assessment roll and on the equivalent assessments that by this Regulation are required to be added to the real property and business assessment for apportionment purposes.

(2) The Ministry of Municipal Affairs and Housing shall determine for each municipality within a district board area,

(a) the dollar amount obtained by subtracting from the 1983 apportionment guarantee grant to each municipality the product obtained by multiplying the total number of households in that municipality by five dollars; and

(b) if the dollar amount obtained under clause (a) is greater than zero,

(i) the least of the total sum required for district board purposes, the 1983 total sum required for district board purposes and the 1982 total sum required for district board purposes,

(ii) if the municipality is within a conservation authority area, the least of the conservation authority levy, the 1983 conservation authority levy and the 1982 conservation authority levy of the conservation authority,

(iii) the dollar amount obtained by multiplying the least of the percentage determined under section 24, the 1983 sharing responsibility for general purposes and the 1982 sharing responsibility for general purposes for the municipality by the amount determined under subclause (i),

(iv) if the municipality is within a conservation authority area, the dollar amount obtained by multiplying the least of the percentage determined under section 33, the percentage share for the municipality as determined under section 33 of Ontario Regulation 289/83 and the percentage share for the municipality as determined under section 32 of Ontario Regulation 648/82 by the amount determined under subclause (ii),

(v) the dollar amount obtained by multiplying the lesser of the 1983 sharing responsibility for general purposes and the 1982 sharing responsibility for general purposes for the municipality by the lesser of the 1983 total sum required for district board purposes and the 1982 total sum required for district board purposes,

(vi) if the municipality is within a conservation authority area, the dollar amount obtained by multiplying the lesser of the percentage share of the municipality as determined under section 33 of Ontario Regulation 289/83 and the percentage share of the municipality as determined under section 32 of Ontario Regulation 648/82 by the lesser of the 1983 conservation authority levy and the 1982 conservation authority levy,

(vii) the sum of all the dollar amounts obtained under subclauses (iii) and (iv),

(viii) the sum of all the dollar amounts obtained under subclauses (v) and (vi),

(ix) the dollar change obtained by subtracting the sum obtained under subclause (vii) from the sum obtained under subclause (viii), and

(x) the apportionment guarantee grant by,

(A) if the dollar change determined under subclause (ix) is greater than zero, subtracting the dollar change obtained under subclause (ix) from the dollar amount obtained under clause (a), or

(B) if the dollar change determined under subclause (ix) is equal to zero, taking the dollar amount obtained under clause (a).

(3) The Ministry of Municipal Affairs and Housing shall notify the treasurer of the municipality of the amount of the apportionment guarantee grant determined under subsection (2), and the Minister shall pay to the municipality such amount, if any.

(4) The amount payable under subsection (3) in respect of the total sum required for district board purposes shall be deducted by the municipality from the total sum and the net amount so determined shall be the amount to be raised by the municipality in 1984. O. Reg. 255/84, s. 28.

29.—(1) Where the equalization factor, the residential and farm assessment, the commercial assessment or the equivalent assessment, as determined under this Part, of one or more municipalities within a district board area is altered by the Municipal Board upon an appeal under the Act establishing the district board, notice of the altered equalization factor, residential and farm assessment, commercial assessment or equivalent assessment, as the case may be, shall be given forthwith by the clerk of the municipality to the Ministry.

(2) Upon being satisfied that all appeals of the equalization factor, the residential and farm assessment, the commercial assessment or the equivalent assessment, as determined under this Part, of all municipalities within a district board area have been determined and that all notices required under subsection (1) have been received, the Ministry shall, using the altered equalization factor, residential and farm assessment, commercial assessment, or equivalent assessment, as the case may be,

(a) make the determinations required under sections 22, 23 and 24; and

(b) revise the notice and information to be supplied under sections 25 and 26.

(3) When a district board receives a notice revised by the Ministry under clause (2) (b), the district board shall amend the apportionment of the total sum required for district board purposes among the municipalities within the district board area on the basis of the adjusted equalized assessments as determined.

(4) Where the Municipal Board alters, for 1984, the equalization factor, the residential and farm assessment, the commercial assessment or the equivalent assessment, as determined under this Part, of a municipality, the Ministry of Municipal Affairs and Housing shall redetermine the grant eligibility of each municipality within the district board area in accordance with subsections 28 (1) and (2) on the basis of the altered equalization factor, residential and farm assessment, commercial assessment or equivalent assessment, as the case may be, and the Minister shall adjust the amount payable under subsection 28 (3) accordingly. O. Reg. 255/84, s. 29.

30. Notwithstanding sections 22 to 29, both inclusive, for the purpose of apportioning the 1984 requirements of the District of Parry Sound Welfare Administration Board, Parry Sound Home for the Aged (East) and Parry Sound Home for the Aged (West), the discounted assessment of the lower tier municipality shall be deemed to be the discounted equalized assessment of the lower tier municipality within each of the specified district board areas. O. Reg. 255/84, s. 30.

PART IV

CONSERVATION AUTHORITIES

31.—(1) In this Part,

(a) “apportionment” means an apportionment made by a conservation authority among the municipalities within the conservation authority area of an amount required for the purposes of the conservation authority under the *Conservation Authorities Act*;

(b) “discounted equalized assessment of a conservation authority” means the total of the discounted equalized assessments of all municipalities within a conservation authority area;

(c) “Ministry” means the Ministry of Natural Resources;

(d) “municipality” means a regional municipality, lower tier municipality, city, or separated town;

(e) “municipality within a conservation authority area” means a municipality that is located wholly or partly within a conservation authority area and against which an apportionment is to be made in 1984 by the conservation authority.

(2) Where only part of a municipality against which an apportionment is made by a conservation authority in 1984 is located within the conservation authority area, the discounted equalized assessment for that part of the municipality shall be deemed to be the discounted equalized assessment for the whole municipality for the purposes of this Part.

(3) For the purpose of this Part, the discounted equalized assessment of a regional municipality is the sum of the discounted equalized assessments of the municipalities within the regional municipality. O. Reg. 255/84, s. 31.

32. In 1984, the Ministry shall determine in respect of each conservation authority,

(a) the discounted equalized assessment of each municipality within the conservation authority area; and

- (b) the discounted equalized assessment of each conservation authority. O. Reg. 255/84, s. 32.

33. The Ministry shall, in respect of each conservation authority, determine the 1984 percentage share of apportionment, correct to four decimal places, for each municipality within the conservation authority area by dividing the discounted equalized assessment of each municipality, as determined under clause 32 (a), by the discounted equalized assessments of the conservation authority, as determined under clause 32 (b), and multiplying the result by 100. O. Reg. 255/84, s. 33.

34. The discounted equalized assessment determined under section 32 and the respective 1984 percentage share of apportionment determined for each municipality under section 33 shall be substituted for the equalized assessment in the notice of the equalized assessment that is provided to the conservation authority by the Ministry under the Act establishing a conservation authority. O. Reg. 255/84, s. 34.

35.—(1) For 1984, the apportionment of the conservation authority levies among the municipalities within a conservation authority area shall be made on the basis of the percentages determined for each municipality under section 33.

(2) The Ministry shall submit to each conservation authority to which subsection (1) applies a statement showing the information mentioned in clauses 32 (a) and (b) and the calculations which produced that information.

(3) A conservation authority shall, upon receipt of the statement referred to in subsection (2), forthwith forward a copy of the statement to the clerk of each municipality within the conservation authority area. O. Reg. 255/84, s. 35.

36. Each conservation authority shall forward to the Ministry a statement showing the total amount apportioned for 1984 among the municipalities within the conservation authority area under the Act establishing the conservation authority as modified by subsection 35 (1). O. Reg. 255/84, s. 36.

37. The Ministry shall forward to the Ministry of Municipal Affairs and Housing a copy of the statement referred to in section 36. O. Reg. 255/84, s. 37.

38. For the purpose of determining grant eligibility in Parts I, II and III, the Ministry of Municipal Affairs and Housing shall make determinations in the same manner as is prescribed under sections 31, 32 and 33 and the determinations under this section shall be based on the real property and business assessment for apportionment purposes. O. Reg. 255/84, s. 38.

39.—(1) Where the equalization factor, the residential and farm assessment or the commercial assessment of one or more municipalities within a con-

servation authority area is altered by the Municipal Board upon an appeal under the Act establishing the conservation authority, notice of the altered equalization factor, residential and farm assessment, or commercial assessment, as the case may be, shall be given forthwith by the clerk of the municipality to the Ministry.

(2) Upon being satisfied that all appeals of the equalization factor, the residential and farm assessment or the commercial assessment of all municipalities within a conservation authority area have been determined and that all notices under subsection (1) have been received, the Ministry shall, using the altered equalization factor, residential and farm assessment, or commercial assessment, as the case may be,

- (a) make the determinations required under sections 32 and 33; and

- (b) revise the notice and information to be supplied under sections 34 and 35.

(3) When a conservation authority receives a notice revised by the Ministry under clause (2) (b), the conservation authority shall amend the apportionment of the total sum required for conservation authority purposes among the municipalities within the conservation authority area on the basis of the adjusted discounted equalized assessments.

(4) Where the Municipal Board alters, for 1984, the equalization factor, the residential and farm assessment or the commercial assessment of a municipality as described in subsection (1), the Ministry of Municipal Affairs and Housing shall redetermine the grant eligibility of each municipality within the conservation authority area in accordance with subsections 17 (1) and (2), 28 (1) and (2) and section 38 on the basis of the altered equalization factor, residential and farm assessment, or commercial assessment, as the case may be, and the Minister shall adjust the amount payable under subsections 17 (3) and 28 (3) accordingly. O. Reg. 255/84, s. 39.

PART V

GENERAL

40.—(1) Where any Act requires the Ministry of Revenue or the Ministry of Municipal Affairs and Housing to equalize assessment rolls or parts of an assessment roll that relate to two or more defined areas within a lower tier municipality, the Ministry shall, in equalizing each such assessment roll or each such part of the assessment roll, as the case may be, for purposes of municipal taxation in 1984, use the same equalization factor as was used to equalize such assessment roll or such part of the assessment roll for purposes of municipal taxation in 1979.

(2) Subsection (1) does not apply to a lower tier municipality where there has been a different assessment generally of real property within that lower tier

municipality under section 63 of the *Assessment Act*. O. Reg. 255/84, s. 40.

41.—(1) Where the Ministry of Municipal Affairs and Housing, Ministry of Revenue or Ministry of Natural Resources, as the case may be, determines in respect of a regional municipality, county, district board or conservation authority that any calculation made under this Regulation was made incorrectly or was based on incorrect information, the Ministry may correct the calculation and may determine the amount that would have been payable to the lower tier municipalities within the regional municipality, county, district board area or conservation authority area by the Ministry of Municipal Affairs and Housing under this Regulation if the calculation had been correct and the grant amounts payable under Part I, II, or III may be adjusted accordingly.

(2) Where a determination is made under subsection (1) in respect of an apportionment and levy of a regional municipality, county, district board, or conservation authority, that apportionment and levy shall be adjusted in accordance with the corrected calculations

and any overpayment or underpayment by a lower tier municipality shall be corrected in the same manner as it is corrected following an appeal of a county apportionment by-law or of a discounted equalized assessment being used for apportionment purposes, whichever is applicable. O. Reg. 255/84, s. 41.

42. Where, under this Regulation, an adjustment is made by the Ministry of Municipal Affairs and Housing, Ministry of Revenue or Ministry of Natural Resources, as the case may be, in the grant amounts payable by the Ministry of Municipal Affairs and Housing to a lower tier municipality under Part I, II, or III, and where the Ministry determines as a result of the adjustment that an overpayment has been made to the municipality, it shall notify the municipality of the amount of the overpayment and the amount of the overpayment shall be paid forthwith by the municipality to the Ministry of Municipal Affairs and Housing. O. Reg. 255/84, s. 42.

43. This Regulation applies to apportionments and levies made on or after the 1st day of January, 1984. O. Reg. 255/84, s. 43.

Schedule 1

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 1	COLUMN 2	COLUMN 3
* DURHAM R			* PERTH CO		
GENERAL LEVY			GENERAL LEVY		
OSHAWA C	38.978	17.82	LISTOWEL T	12.499	8.06
AJAX T	9.193	32.99	MITCHELL T	6.380	7.60
NEWCASTLE T	10.504	4.33	MILVERTON V	2.291	8.32
PICKERING T	15.355	30.25	BLANSHARD TP	8.077	3.93
WHITBY T	13.426	7.58	DOWNIE TP	7.332	4.16
BROCK TP	3.099	11.74	NORTH EASTHOPE TP	6.769	4.32
SCUGOG TP	4.687	4.71	SOUTH EASTHOPE TP	4.974	4.77
UXBRIDGE TP	4.758	4.56	ELLICE TP	7.548	4.37
	-----		ELMA TP	9.331	5.44
	100.000		FULLARTON TP	5.883	4.10
* HALDIMAND - NORFOLK R			HIBBERT TP	6.636	3.91
GENERAL LEVY			LOGAN TP	7.604	3.96
NANTICOKE C	30.113	6.42	MORNINGTON TP	6.773	4.64
DUNNVILLE T	9.397	7.75	WALLACE TP	7.903	5.33
HALDIMAND T	15.928	15.17	-----		
				100.000	

SIMCOE T	16.088	8.65	* PETERBOROUGH CO		
DELHI TP	15.289	6.34	GENERAL LEVY		
NORFOLK TP	13.185	5.56	HAVELOCK V	1.610	8.77
	-----		LAKEFIELD V	3.976	7.68
	100.000		NORWOOD V	1.622	7.80
* HALTON R			MILLBROOK V	1.262	5.33
GENERAL LEVY			ASPHODEL TP	3.606	5.73
BURLINGTON C	40.812	10.47	BELMONT AND METHUEN TP	9.577	4.58
HALTON HILLS T	12.110	8.15	BURLEIGH AND ANSTRUTHER TP	5.571	27.42
MILTON T	11.125	7.72	CHANDOS TP	3.428	4.05
OAKVILLE T	35.953	9.83	DOURO TP	5.417	6.43
	-----		DUMMER TP	5.592	5.99
	100.000		ENNISMORE TP	6.766	32.86
* HAMILTON - WENTWORTH R			GALWAY AND CAVENDISH TP	4.319	3.64
GENERAL LEVY			HARVEY TP	8.770	3.99
HAMILTON C	74.887	12.79	NORTH MONAGHAN TP	3.061	3.85
STONEY CREEK C	9.592	14.12	OTONABEE TP	8.582	5.91
ANCASTER T	3.664	6.30	SMITH TP	16.732	6.55
DUNDAS T	3.709	8.29			
FLAMBOROUGH TP	6.091	6.33			
GLANBROOK TP	2.057	6.61			

	100.000				

LIBRARY LEVY	CAVAN TP		7.350	4.35
	SOUTH MONAGHAN TP		2.759	4.02
STONE CREEK C	44.813	14.12	-----	100.000
ANCASTER T	17.119	6.30		
FLAMBOROUGH TP	28.458	6.33		
GLANBROOK TP	9.610	6.61		

	100.000			
COUNTY ROADS LEVY				
			2.066	8.77
			5.103	7.68
			2.082	7.80
			1.619	5.33
			4.628	5.73
			12.292	4.58
			6.953	6.43
			7.178	5.99
			8.684	32.86
			3.929	3.85
			11.015	5.91
			21.476	6.55
			9.434	4.35
			3.541	4.02
			-----	100.000
* NIAGARA R				
GENERAL LEVY				
NIAGARA FALLS C	21.892	11.36		
PORT COLBORNE C	4.975	12.70		
ST CATHARINES C	30.691	10.14		
WELLAND C	11.926	12.59		
THOROLD C	5.191	11.60		
FORT ERIE T	6.472	11.12		
GRIMSBY T	4.001	8.50		
LINCOLN T	3.769	7.56		
NIAGARA-ON-THE-LAKE T	4.790	5.64		
PELHAM T	2.512	8.19		

WAINFLEET TP	1.369	8.28	* PRESCOTT AND RUSSELL CO		
WEST LINCOLN TP	2.412	7.36	GENERAL LEVY		

	100.000		HAWKESBURY T	29.046	8.68
			ROCKLAND T	5.920	6.38
			VANKLEEK HILL T	2.765	29.56
* OTTAWA - CARLETON R			ALFRED V	1.415	7.81
GENERAL LEVY			CASSELMAN V	3.211	5.45
OTTAWA C	65.014	11.96	L'ORIGINAL V	2.702	6.01
VANIER C	1.825	11.27	PLANTAGENET V	1.239	33.01
KANATA C	3.435	4.09	ST ISIDORE DE PRESCOTT V	1.589	7.28
NEPEAN C	12.887	5.06	ALFRED TP	2.788	7.13
GLOUCESTER C	9.666	5.91	CALEDONIA TP	2.217	6.09
ROCKCLIFFE PARK V	.573	5.55	CAMBRIDGE TP	6.396	5.19
CUMBERLAND TP	1.610	4.72	CLARENCE TP	8.331	5.87
GOULBOURN TP	1.092	5.01	EAST HAWKESBURY TP	5.362	5.76
OSGOODE TP	1.123	4.21	WEST HAWKESBURY TP	4.561	6.16
RIDEAU TP	1.187	4.36	LONGUEUIL TP	4.321	7.22
WEST CARLETON TP	1.588	65.31	NORTH PLANTAGENET TP	3.427	5.97
	-----		SOUTH PLANTAGENET TP	2.993	6.40
	100.000		RUSSELL TP	11.717	5.12
SEWER LEVY				-----	
OTTAWA C	70.233	11.96		100.000	
VANIER C	1.971	11.27			

KANATA C	3.469	4.09	* PRINCE EDWARD CO	
NEPEAN C	13.363	5.06	GENERAL LEVY	
GLOUCESTER C	8.896	5.91	PICTON T	17.890 36.44
ROCKCLIFFE PARK V	.619	5.55	BLOOMFIELD V	2.978 25.72
CUMBERLAND TP	.952	4.72	WELLINGTON V	3.882 8.78
GOULBOURN TP	.497	5.01	AMELIASBURGH TP	18.987 26.01
	-----		ATHOL TP	5.366 7.00
	100.000		HALLOWELL TP	17.193 8.94
TRANSIT LEVY			HILLIER TP	6.231 7.05
OTTAWA C	70.420	11.96	NORTH MARYSBURGH TP	5.523 6.73
VANIER C	1.977	11.27	SOUTH MARYSBURGH TP	3.708 6.68
KANATA C	3.404	4.09	SOPHIASBURGH TP	18.242 32.69
NEPEAN C	13.375	5.06		-----
GLOUCESTER C	9.277	5.91		100.000
ROCKCLIFFE PARK V	.620	5.55	* RENFREW CO	
CUMBERLAND TP	.927	4.72	GENERAL LEVY	
	-----		ARNPRIOR T	10.219 9.82
	100.000		DEEP RIVER T	13.773 10.17
* SUDBURY R			RENFREW T	12.168 9.34
GENERAL LEVY			BARRY'S BAY V	1.348 6.75
SUDBURY C	65.156	37.00		
CAPREOL T	1.606	12.01		

NICKEL CENTRE T	6.008	12.95			
ONAPING FALLS T	4.278	18.73	BEACHBURG V	.542	6.71
RAYSIDE - BALFOUR T	5.001	9.15	BRAESIDE V	1.344	8.20
VALLEY EAST T	7.084	8.08	CHALK RIVER V	.610	7.28
WALDEN T	10.867	12.15	COBDEN V	1.104	6.53
	-----		EGANVILLE V	1.245	6.30
	100.000		KILLALOE STATION V	.523	7.41
* WATERLOO R			PETAWAWA V	4.871	7.95
GENERAL LEVY			ADMASTON TP	1.430	6.11
CAMBRIDGE C	21.876	17.34	NORTH ALGONA TP	.945	5.07
KITCHENER C	42.800	12.48	SOUTH ALGONA TP	.446	3.77
WATERLOO C	20.770	11.15	ALICE AND FRASER TP	2.995	6.00
NORTH DUMFRIES TP	2.151	8.76	BAGOT AND BLYTHFIELD TP	2.080	3.96
WELLESLEY TP	2.012	6.61	BROMLEY TP	1.229	6.79
WILMOT TP	3.550	11.97	BROUGHAM TP	.808	3.75
WOOLWICH TP	6.841	14.24	BRUDENELL AND LYNDOCH TP	.650	4.23
	-----		GRATTAN TP	.992	5.71
	100.000		GRIFFITH AND MATAWATCHAN TP	.626	4.42
LIBRARY LEVY			HAGARTY AND RICHARDS TP	1.644	4.48
NORTH DUMFRIES TP	14.777	8.76	HEAD CLARA AND MARIA TP	.438	6.63
WELLESLEY TP	13.826	6.61	HORTON TP	2.636	5.35
WILMOT TP	24.391	11.97	MCNAB TP	5.665	5.63
WOOLWICH TP	47.006	14.24			

	100.000				

* YORK R	GENERAL LEVY			
	AURORA T	4.779	28.57	
	MARKHAM T	34.712	26.43	
	NEWMARKET T	6.762	25.89	
	RICHMOND HILL T	12.517	24.91	
	VAUGHAN T	22.580	26.80	
	WHITCHURCH - STOUFFVILLE	4.555	22.92	
	EAST GWILLIMBURY T	3.257	21.78	
	GEORGINA TP	5.170	23.88	
	KING TP	5.668	21.54	

		100.000		
* OXFORD CO	GENERAL LEVY			
	WOODSTOCK C	26.658	9.66	
	INGERSOLL T	6.911	9.84	
	TILLSONBURG T	12.926	10.19	
	BLANDFORD - BLENHEIM TP	10.555	5.38	
	COUNTY ROADS LEVY			
	ARNPRIOR T			15.889
	RENFREW T			18.922
	BEACHBURG V			.843
	BRAESIDE V			2.090
	GENERAL LEVY			
	PEMBROKE TP	1.853		6.69
	PETAWAWA TP	6.823		6.19
	RADCLIFFE TP	1.383		3.78
	RAGLAN TP	.956		4.88
	ROLPH BUCHANAN WYLIE & MCKAY T	5.657		6.03
	ROSS TP	2.978		6.70
	SEBASTOPOL TP	.710		3.96
	SHERWOOD JONES AND BURNS TP	2.097		4.45
	STAFFORD TP	2.904		6.89
	GENERAL LEVY			
	WESTMEATH TP	2.790		6.56
	WILBERFORCE TP	1.518		5.40

			100.000	
	COUNTY ROADS LEVY			
	ARNPRIOR T			9.82
	RENFREW T			9.34
	BEACHBURG V			6.71
	BRAESIDE V			8.20
	GENERAL LEVY			
	COBDEN V	1.716		6.53
	EGANVILLE V	1.935		6.30

EAST ZORRA - TAVISTOCK TP	8.559	5.12	PETAWAWA V	7.573	7.95
NORWICH TP	11.086	5.37	ADMASTON TP	2.223	6.11
SOUTH-WEST OXFORD TP	8.964	5.13	ALICE AND FRASER TP	4.657	6.00
ZORRA TP	14.341	4.91	BROMLEY TP	1.912	6.79
	-----		HORTON TP	4.098	5.35
	100.000		MCNAB TP	8.808	5.63
			PEMBROKE TP	2.881	6.69
LIBRARY LEVY			PETAWAWA TP	10.609	6.19
INGERSOLL T	11.439	9.84	ROSS TP	4.630	6.70
BLANDFORD - BLENHEIM TP	17.470	5.38	STAFFORD TP	4.515	6.89
EAST ZORRA - TAVISTOCK TP	14.166	5.12	WESTMEATH TP	4.338	6.56
NORWICH TP	18.349	5.37	WILBERFORCE TP	2.361	5.40
SOUTH-WEST OXFORD TP	14.838	5.13		-----	
ZORRA TP	23.738	4.91		100.000	

	100.000				
			* SIMCOE CO		
			GENERAL LEVY		
* BRANT CO					
GENERAL LEVY			ALLISTON T	2.780	14.92
PARIS T	19.154	9.01	BRADFORD T	3.363	36.04
BRANTFORD TP	36.834	6.78	COLLINGWOOD T	9.486	25.21
BURFORD TP	19.329	5.49	MIDLAND T	6.989	14.49
SOUTH DUMFRIES TP	15.813	5.25			

OAKLAND TP	3.988	5.82	PENETANGUISHENE T	2.243	8.93
ONONDAGA TP	4.882	5.75	STAYNER T	1.139	41.83
	-----		WASAGA BEACH T	5.043	91.21
	100.000		BEETON V	.739	35.79
* BRUCE CO			COLDWATER V	.433	28.59
GENERAL LEVY			COOKSTOWN V	.423	5.34
CHESLEY T	1.624	43.24	CREEMORE V	.380	36.65
KINCARDINE T	6.618	45.46	ELMVALE V	.641	31.43
PORT ELGIN T	7.021	44.71	PORT MCNICOLL V	.752	39.88
SOUTHAMPTON T	4.493	42.82	TOTTENHAM V	1.260	33.41
WALKERTON T	5.716	44.30	VICTORIA HARBOUR V	.414	32.80
WIARTON T	2.002	42.66	ADJALA TP	2.429	3.00
HEPWORTH V	.277	41.94	ESSA TP	7.150	5.42
LION'S HEAD V	.588	43.69	FLOS TP	1.439	5.13
LUCKNOW V	1.163	40.87	WEST GWILLIMBURY TP	3.131	3.69
MILD MAY V	.840	37.79	INNISFIL TP	7.849	4.28
PAISLEY V	.865	43.42	MATCHEDASH TP	.652	3.24
RIPLEY V	.572	38.97	MEDONTE TP	2.173	4.14
TARA V	.671	44.16	NOTTAWASAGA TP	3.006	4.35
TEESWATER V	.999	41.11	ORILLIA TP	4.557	6.50
TIVERTON V	.671	46.36			
ALBEMARLE TP	2.860	37.60			

AMABEL TP	7.045	39.20	ORO TP	4.862	4.30
ARRAN TP	2.187	28.96	SUNNIDALE TP	1.070	38.41
BRANT TP	5.419	28.99	TAY TP	2.993	6.04
BRUCE TP	9.295	28.45	TECUMSETH TP	4.566	4.49
CARRICK TP	3.579	26.66	TINY TP	7.181	4.84
CULROSS TP	2.733	25.29	TOSORONTIO TP	1.819	34.56
EASTNOR TP	3.333	37.88	VESPRE TP	4.683	5.11
ELDERSLIE TP	2.408	25.74	MARA TP	3.142	4.98
GREENOCK TP	2.720	26.96	RAMA TP	1.213	4.99
HURON TP	7.009	27.96		-----	
				100.000	
KINCARDINE TP	5.280	32.85	* STORMONT, DUNDAS & GLENGARRY CO		
KINLOSS TP	2.174	24.12	GENERAL LEVY		
LINDSAY TP	1.861	37.43	ALEXANDRIA T	6.244	9.07
ST EDMUNDS TP	3.899	38.11	CHESTERVILLE V	3.240	10.75
SAUGEEN TP	4.078	31.07	FINCH V	.530	7.99
	-----		IROQUOIS V	3.411	11.93
	100.000		LANCASTER V	.939	8.51
HIGHWAYS LEVY			MAXVILLE V	.987	8.59
CHESLEY T	1.723	43.24	MORRISBURG V	4.896	7.65
KINCARDINE T	7.022	45.46			
PORT ELGIN T	7.450	44.71			
SOUTHAMPTON T	4.767	42.82			

WALKERTON T	6.065	44.30	WINCHESTER V	3.982	8.10
WIARTON T	2.124	42.66	CHARLOTTENBURGH TP	11.647	6.55
HEPWORTH V	.294	41.94	CORNWALL TP	11.223	9.07
LION'S HEAD V	.624	43.69	FINCH TP	3.752	5.83
LUCKNOW V	1.234	40.87	KENYON TP	4.250	6.86
MILDMAY V	.891	37.79	LANCASTER TP	6.444	6.67
PAISLEY V	.917	43.42	LOCHIEL TP	4.533	6.67
RIPLEY V	.607	38.97	MATILDA TP	5.809	7.70
TARA V	.712	44.16	MOUNTAIN TP	4.081	6.12
TEESWATER V	1.060	41.11	OSNABRUCK TP	8.099	8.31
TIVERTON V	.712	46.36	ROXBOROUGH TP	3.775	6.29
ALBEMARLE TP	3.034	37.60	WILLIAMSBURGH TP	6.289	9.01
AMABEL TP	7.475	39.20	WINCHESTER TP	5.869	6.25
ARRAN TP	2.321	28.96		-----	
BRANT TP	5.750	28.99		100.000	
BRUCE TP	9.867	28.45	LIBRARY LEVY		
CARRICK TP	3.798	26.66	ALEXANDRIA T	6.465	9.07
CULROSS TP	2.900	25.29	CHESTERVILLE V	3.355	10.75
EASTNOR TP	3.537	37.88	FINCH V	.549	7.99
ELDELSLIE TP	2.556	25.74	LANCASTER V	.972	8.51
GREENOCK TP	2.886	26.96			

HURON TP	7.437	27.96	MAXVILLE V	1.022	8.59
KINCARDINE TP	5.603	32.85	MORRISBURG V	5.069	7.65
KINLOSS TP	2.306	24.12	WINCHESTER V	4.123	8.10
SAUGEEN TP	4.328	31.07	CHARLOTTENBURGH TP	12.058	6.55
	-----		CORNWALL TP	11.619	9.07
	100.000		FINCH TP	3.884	5.83
* DUFFERIN CO			KENYON TP	4.400	6.86
GENERAL LEVY			LANCASTER TP	6.671	6.67
ORANGEVILLE T	36.290	6.53	LOCHIEL TP	4.693	6.67
SHELBURNE T	5.794	32.56	MATILDA TP	6.014	7.70
GRAND VALLEY V	2.301	26.77	MOUNTAIN TP	4.225	6.12
AMARANTH TP	7.893	31.71	OSNABRUCK TP	8.385	8.31
EAST GARAFRAXA TP	6.135	29.93	ROXBOROUGH TP	3.909	6.29
EAST LUTHER TP	2.907	4.49	WILLIAMSBURGH TP	6.511	9.01
MELANCTHON TP	6.879	4.46	WINCHESTER TP	6.076	6.25
MONO TP	23.076	4.20		-----	
MULMUR TP	8.725	4.18		100.000	

	100.000				
* ELGIN CO					
GENERAL LEVY					
AYLMER T	9.425	9.73			

BELMONT V	1.172	6.96	* VICTORIA CO		
DUTTON V	1.402	8.39	GENERAL LEVY		
PORT BURWELL V	.652	7.74	LINDSAY T	25.099	8.05
PORT STANLEY V	3.601	7.82	BOBCAYGEON V	3.288	32.40
RODNEY V	1.402	8.49	FENELON FALLS V	3.030	4.78
SPRINGFIELD V	.552	6.13	OMEMEE V	1.018	6.06
VIENNA V	.367	7.37	STURGEON POINT V	.418	4.21
WEST LORNE V	1.983	8.26	WOODVILLE V	.669	30.12
ALDBOROUGH TP	7.912	4.23	BEXLEY TP	4.406	1.83
BAYHAM TP	6.977	5.20	CARDEN TP	1.987	3.06
SOUTH DORCHESTER TP	3.566	4.10	DALTON TP	.582	2.62
DUNWICH TP	6.895	3.98	ELDON TP	5.036	3.63
MALAHIDE TP	16.569	5.37	EMILY TP	6.609	4.92
SOUTHWOLD TP	22.602	6.79	FENELON TP	10.574	4.29
YARMOUTH TP	14.923	5.61	LAXTON DIGBY AND LONGFORD TP	2.875	1.55
	-----		MARIPOSA TP	8.966	3.94
	100.000		OPS TP	6.462	4.33
* ESSEX CO			SOMERVILLE TP	5.767	1.86
GENERAL LEVY			VERULAM TP	6.884	3.97
AMHERSTBURG T	6.326	38.03	MANVERS TP	6.330	3.52
BELLE RIVER T	2.063	4.87		-----	
ESSEX T	3.498	5.36		100.000	

HARROW T	1.585	5.44	LIBRARY LEVY		
KINGSVILLE T	2.883	34.90	BOBCAYGEON V	5.330	32.40
LEAMINGTON T	9.147	39.08	FENELON FALLS V	4.911	4.78
TECUMSEH T	3.894	5.02	OMEMEE V	1.650	6.06
ST CLAIR BEACH V	1.661	4.83	WOODVILLE V	1.084	30.12
ANDERDON TP	4.895	27.16	BEXLEY TP	7.142	1.83
COLCHESTER NORTH TP	2.314	3.28	CARDEN TP	3.221	3.06
COLCHESTER SOUTH TP	5.148	3.41	DALTON TP	.944	2.62
GOSFIELD NORTH TP	3.341	3.74	ELDON TP	8.164	3.63
GOSFIELD SOUTH TP	5.648	3.73	EMILY TP	10.713	4.92
MAIDSTONE TP	12.115	4.64	FENELON TP	17.139	4.29
MALDEN TP	2.946	22.66	LAXTON DIGBY AND LONGFORD TP	4.661	1.55
MERSEA TP	9.110	3.53	MARIPOSA TP	14.534	3.94
ROCHESTER TP	3.678	3.50	SOMERVILLE TP	9.348	1.86
SANDWICH SOUTH TP	6.765	4.12	VERULAM TP	11.159	3.97
SANDWICH WEST TP	7.847	4.47		-----	
				100.000	
TILBURY NORTH TP	3.203	3.72	COUNTY ROADS LEVY		
TILBURY WEST TP	1.933	3.34	LINDSAY T	29.742	8.05
	-----		BOBCAYGEON V	3.897	32.40
	100.000				
LIBRARY LEVY					
AMHERSTBURG T	7.125	38.03			
ESSEX T	3.940	5.36			

HARROW T	1.785	5.44	FENELON FALLS V	3.591	4.78
KINGSVILLE T	3.247	34.90	OMEMEE V	1.207	6.06
TECUMSEH T	4.386	5.02	STURGEON POINT V	.495	4.21
ST CLAIR BEACH V	1.871	4.83	WOODVILLE V	.793	30.12
ANDERDON TP	5.512	27.16	ELDON TP	5.969	3.63
COLCHESTER NORTH TP	2.606	3.28	EMILY TP	7.832	4.92
COLCHESTER SOUTH TP	5.798	3.41	FENELON TP	12.531	4.29
GOSFIELD NORTH TP	3.763	3.74	MARIPOSA TP	10.626	3.94
GOSFIELD SOUTH TP	6.361	3.73	OPS TP	7.658	4.33
MAIDSTONE TP	13.644	4.64	VERULAM TP	8.158	3.97
MALDEN TP	3.318	22.66	MANVERS TP	7.501	3.52
MERSEA TP	10.260	3.53		-----	
ROCHESTER TP	4.142	3.50		100.000	
SANDWICH SOUTH TP	7.619	4.12			
SANDWICH WEST TP	8.838	4.47	* WELLINGTON CO		
TILBURY NORTH TP	3.608	3.72	GENERAL LEVY		
TILBURY WEST TP	2.177	3.34	FERGUS T	9.698	42.16
	-----		HARRISTON T	2.332	8.19
	100.000		MOUNT FOREST T	5.335	7.65
			PALMERSTON T	2.081	8.55

HOWE ISLAND TP	.534	5.30	ARTHUR V	2.368	37.69
KENNEBEC TP	1.067	5.25	CLIFFORD V	.629	29.34
KINGSTON TP	55.394	8.67	DRAYTON V	.804	26.99
LOUGHBOROUGH TP	3.352	6.83	ELORA V	3.654	29.95
OLDEN TP	.857	4.93	ERIN V	3.583	29.30
OSO TP	1.444	5.70	ARTHUR TP	3.586	5.25
PALMERSTON & N & S CANONTO TP	.633	5.34	ERAMOSA TP	7.363	4.21
PITTSBURGH TP	26.261	6.85	ERIN TP	10.626	4.09
PORTLAND TP	3.690	7.34	WEST GARAFRAXA TP	4.179	4.83
STORRINGTON TP	3.416	6.44	GUELPH TP	6.567	4.56
WOLFE ISLAND TP	0.	6.66	WEST LUTHER TP	1.822	5.30
	-----		MARYBOROUGH TP	5.498	5.06
	100.000		MINTO TP	4.074	5.44
HIGHWAYS LEVY			NICHOL TP	4.992	5.05
BEDFORD TP	3.194	5.17	PEEL TP	7.245	4.80
HOWE ISLAND TP	.558	5.30	PILKINGTON TP	3.879	4.71
KINGSTON TP	57.881	8.67	PUSLINCH TP	9.685	4.16
LOUGHBOROUGH TP	3.502	6.83		-----	
PITTSBURGH TP	27.440	6.85		100.000	
PORTLAND TP	3.856	7.34			
STORRINGTON TP	3.569	6.44			

	100.000				

* FRONTENAC CO

GENERAL LEVY

BARRIE TP	1.897	4.64			10.316	7.65
BEDFORD TP	2.876	5.17			4.025	8.55
CLARENDON AND MILLER TP	1.179	4.62			4.580	37.69
HINCHINBROOKE TP	1.256	5.56			1.216	29.34
HOWE ISLAND TP	.502	5.30			0.	29.95
KENNEBEC TP	1.004	5.25			6.929	29.30
KINGSTON TP	52.123	8.67			6.935	5.25
LOUGHBOROUGH TP	3.154	6.83			8.081	4.83
OLDEN TP	.806	4.93			3.524	5.30
OSO TP	1.359	5.70			10.632	5.06
PALMERSTON & N & S CANONTO TP	.595	5.34			7.879	5.44
PITTSBURGH TP	24.709	6.85			9.654	5.05
PORTLAND TP	3.472	7.34			7.501	4.71
STORRINGTON TP	3.214	6.44			18.728	4.16
WOLFE ISLAND TP	1.854	6.66			-----	
	100.000				100.000	

* ALGOMA D

LIBRARY LEVY

BARRIE TP	2.017	4.64			63.680	17.84
HINCHINBROOKE TP	1.335	5.56			2.542	35.19

ALGOMA DISTRICT HOME FOR THE AGED BOARD OF MANAGEMENT

SAULT STE MARIE C					63.680	17.84
BLIND RIVER T					2.542	35.19

NORMANBY TP	4.370	32.13	WHITE RIVER TP	1.038	7.02
OSPREY TP	3.115	37.42	DUBREUILVILLE ID	.327	37.38
PROTON TP	2.773	36.95		-----	
ST VINCENT TP	5.533	41.40		100.000	
SARAWAK TP	2.908	48.07	ALGOMA DISTRICT SOCIAL AND FAMILY SERVICES BOARD		
SULLIVAN TP	3.270	36.91	BLIND RIVER T	7.010	35.19
SYDENHAM TP	4.430	41.67	BRUCE MINES T	1.950	42.94
	-----		THESSALON T	2.927	40.44
	100.000		ELLIOT LAKE T	45.536	30.55
* HALIBURTON CO			HILTON BEACH V	.511	39.51
GENERAL LEVY			IRON BRIDGE V	1.524	39.05
ANSON HINDON AND MINDEN TP	16.986	2.20	DAY AND BRIGHT ADDITIONAL TP	1.285	35.86
CARDIFF TP	5.166	4.15	HILTON TP	.778	37.48
DYSART ET AL TP	38.126	1.85	JOCELYN TP	.668	36.17
GLAMORGAN TP	5.715	.81	JOHNSON TP	1.677	34.59
LUTTERWORTH TP	7.293	.71	LAIRD TP	1.800	34.46
MONMOUTH TP	3.693	1.02	MACDONALD MEREDITH ET AL TP	3.031	37.25
SHERBORNE MCCLINTOCK ET AL TP	8.184	1.77	MICHIPICOTEN TP	11.635	31.30
SNOWDON TP	3.734	.60	PLUMMER ADDITIONAL TP	1.477	33.75
STANHOPE TP	9.923	1.37	PRINCE TP	1.556	25.01
BICROFT TP	1.180	12.57			

	100.000				

ST JOSEPH TP	2.903	35.46
TARBUTT AND TARBUTT ADD'NL TP	1.017	33.76
THESSALON TP	1.301	35.16
THOMPSON TP	.245	32.05
WICKSTEED TP	3.907	62.64
NORTH SHORE TP	3.535	36.41
WHITE RIVER TP	2.830	7.02
DUBREUILVILLE ID	.897	37.38

	100.000	

* COCHRANE D

COCHRANE DISTRICT WELFARE ADMINISTRATION BOARD

COCHRANE T	12.008	38.31
HEARST T	15.980	32.39
IROQUOIS FALLS T	14.909	44.25
KAPUSKASING T	27.442	48.74
SMOOTH ROCK FALLS T	5.761	49.87
BLACK RIVER - MATHESON TP	9.090	40.63
MOONBEAM TP	4.432	34.74
GLACKMEYER TP	1.667	25.14

* HASTINGS CO

GENERAL LEVY

DESERONTO T	2.485	5.47
BANCROFT V	5.081	4.87
DELORO V	.140	7.01
FRANKFORD V	2.792	5.35
MADOC V	1.677	35.46
MARMORA V	1.510	7.00
STIRLING V	2.782	34.78
TWEED V	2.712	5.92
BANGOR WICKLOW AND MCCLURE TP	2.969	2.36
CARLOW TP	.610	3.23
DUNGANNON TP	1.332	3.92
ELZEVIR AND GRIMSTHORPE TP	1.056	3.46
FARADAY TP	2.663	3.06
HERSCHEL TP	2.386	2.49
HUNGERFORD TP	3.520	3.96
HUNTINGDON TP	2.887	4.26
LIMERICK TP	1.101	2.11
MADOC TP	2.183	4.37
MARMORA AND LAKE TP	2.955	3.33

MAYO TP	.622	2.67	SHACKLETON AND MACHIN TP	1.892	46.69
MONTEAGLE TP	1.483	2.80	VAL RITA-HARTY	2.626	45.43
RAWDON TP	3.823	4.42	MATTICE-VAL COTE	2.937	48.24
SIDNEY TP	29.602	5.30	OPASATIKA TP	1.256	63.97
THURLOW TP	14.636	5.92		-----	
TUDOR AND CASHEL TP	1.260	2.55		100.000	
TYENDINAGA TP	4.513	5.91	COCHRANE DISTRICT HOME FOR THE AGED - OPERATING		
WOLLASTON TP	1.220	2.84	COCHRANE T	12.008	38.31
	-----		HEARST T	15.980	32.39
	100.000		IROQUOIS FALLS T	14.909	44.25
COUNTY ROADS LEVY			KAPUSKASING T	27.442	48.74
DESERONTO T	3.134	5.47	SMOOTH ROCK FALLS T	5.761	49.87
DELORO V	.177	7.01	BLACK RIVER - MATHESON TP	9.090	40.63
FRANKFORD V	3.522	5.35	MOONBEAM TP	4.432	34.74
MADOC V	2.116	35.46	GLACKMEYER TP	1.667	25.14
MARMORA V	1.905	7.00	SHACKLETON AND MACHIN TP	1.892	46.69
STIRLING V	3.509	34.78	VAL RITA-HARTY	2.626	45.43
TWEED V	3.421	5.92	MATTICE-VAL COTE	2.937	48.24
ELZEVIR AND GRIMSTHORPE TP	1.332	3.46	OPASATIKA TP	1.256	63.97
HUNGERFORD TP	4.440	3.96		-----	
HUNTINGDON TP	3.642	4.26		100.000	
MADOC TP	2.754	4.37			

MARMORA AND LAKE TP	3.728	3.33	COCHRANE DISTRICT HOME FOR THE AGED - CAPITAL	
RAWDON TP	4.822	4.42	COCHRANE T	13.154 38.31
SIDNEY TP	37.342	5.30	HEARST T	17.504 32.39
THURLOW TP	18.463	5.92	IROQUOIS FALLS T	16.331 44.25
TYENDINAGA TP	5.693	5.91	KAPUSKASING T	30.062 48.74
	-----		SMOOTH ROCK FALLS T	6.311 49.87
	100.000		BLACK RIVER - MATHESON TP	9.958 40.63
* HURON CO			MOONBEAM TP	4.854 34.74
GENERAL LEVY			GLACKMEYER TP	1.826 25.14
CLINTON T	3.262	7.19		-----
EXETER T	5.305	6.38		100.000
GODERICH T	11.095	7.00		
SEAFORTH T	2.516	6.97	* KENORA D	
WINGHAM T	3.614	7.63	DISTRICT OF KENORA HOME FOR THE AGED	
BAYFIELD V	1.284	3.89	DRYDEN T	17.700 8.30
BLYTH V	.893	6.22	KEEWATIN T	4.311 7.25
BRUSSELS V	.926	6.46	KENORA T	24.082 35.05
HENSALL V	2.168	7.11	SIOUX LOOKOUT T	7.992 7.07
ZURICH V	.818	5.72	IGNACE TP	7.246 6.68
ASHFIELD TP	4.792	3.62	JAFFRAY AND MELICK TP	9.116 6.63
COLBORNE TP	3.432	3.87	MACHIN TP	3.679 4.98
GODERICH TP	5.199	3.81		

GREY TP	3.836	4.18	RED LAKE TP	6.201	6.94
HAY TP	5.323	3.42	EAR FALLS TP	5.847	13.16
HOWICK TP	4.281	4.91	BARCLAY TP	3.247	7.89
HULLETT TP	4.390	3.78	PICKLE LAKE TP	3.388	41.57
MCKILLOP TP	3.997	3.37	BALMERTOWN ID	5.240	9.34
MORRIS TP	2.939	4.44	SIOUX NARROWS ID	1.951	4.26
STANLEY TP	4.141	3.66		-----	
STEPHEN TP	10.870	4.01		100.000	
TUCKERSMITH TP	4.793	4.21	* MANITOULIN D		
TURNBERRY TP	2.244	5.08	MANITOULIN HOMES FOR THE AGED		
USBORNE TP	4.090	3.47	ADMINISTRATION BOARD - OPERATING		
EAST WAWANOSH TP	2.011	4.40	GORE BAY T	8.196	52.76
WEST WAWANOSH TP	1.781	4.97	LITTLE CURRENT T	15.930	57.51
	-----		ASSIGINACK TP	16.643	50.82
	100.000		BARRIE ISLAND TP	1.525	45.70
			BILLINGS TP	7.704	52.62
* KENT CO			BURPEE TP	3.142	47.56
GENERAL LEVY			CARNARVON TP	13.344	55.27
BLLENHEIM T	4.093	32.75	COCKBURN ISLAND TP	1.177	41.98
BOTHWELL T	.696	8.36	GORDON TP	6.336	47.11
DRESDEN T	2.295	8.41	HOWLAND TP	12.230	53.41
RIDGETOWN T	2.723	32.50	RUTHERFORD & GEORGE ISLAND TP	3.587	54.99
TILBURY T	4.954	31.53			

WALLACEBURG T	10.724	10.92	SANDFIELD TP	4.189	57.32
ERIEAU V	.605	5.45	TEHKUMMAH TP	5.997	53.95
ERIE BEACH V	.166	26.83		-----	
HIGHGATE V	.352	6.82		100.000	
THAMESVILLE V	.850	33.23	MANITOULIN HOMES FOR THE AGED ADMINISTRATION BOARD - CAPITAL		
WHEATLEY V	1.360	32.49	GORE BAY T	9.458	52.76
CAMDEN TP	4.256	3.88	LITTLE CURRENT T	18.383	57.51
CHATHAM TP	15.175	3.66	ASSIGINACK TP	19.204	50.82
DOVER TP	11.095	2.90	BARRIE ISLAND TP	1.760	45.70
HARWICH TP	11.890	4.07	BILLINGS TP	8.890	52.62
HOWARD TP	5.157	3.38	BURPEE TP	3.626	47.56
ORFORD TP	3.044	3.61	COCKBURN ISLAND TP	1.359	41.98
RALEIGH TP	9.705	4.28	GORDON TP	7.312	47.11
ROMNEY TP	3.388	4.36	HOWLAND TP	14.114	53.41
TILBURY EAST TP	5.837	3.28	RUTHERFORD & GEORGE ISLAND TP	4.139	54.99
ZONE TP	1.635	3.72	SANDFIELD TP	4.835	57.32
	-----		TEHKUMMAH TP	6.920	53.95
	100.000			-----	
				100.000	

* LAMBTON CO

GENERAL LEVY

FOREST T	1.725	9.58
PETROLIA T	2.976	31.94

ALVINSTON V	.532	7.88	* NIPISSING D		
ARKONA V	.230	6.97	NIPISSING DISTRICT SOCIAL SERVICES BOARD		
GRAND BEND V	1.227	6.21	CACHE BAY T	1.250	29.23
OIL SPRINGS V	.312	30.24	MATTAWA T	7.142	24.94
POINT EDWARD V	4.075	8.74	STURGEON FALLS T	25.549	45.55
THEDFORD V	.388	9.45	AIRY TP	3.737	22.66
WATFORD V	1.136	8.00	BONFIELD TP	5.305	22.72
WYOMING V	1.304	31.59	CALDWELL TP	8.623	1.72
BOSANQUET TP	6.159	4.25	CALVIN TP	3.222	1.72
BROOKE TP	4.168	4.35	CHISHOLM TP	3.269	4.38
DAWN TP	4.041	5.17	EAST FERRIS TP	12.958	29.31
ENNISKILLEN TP	4.270	4.02	FIELD TP	2.489	23.48
EUPHEMIA TP	1.590	4.50	MATTAWAN TP	2.825	1.92
MOORE TP	20.451	8.20	PAPINEAU TP	3.503	3.52
PLYMPTON TP	6.654	3.70	SPRINGER TP	9.087	6.16
SARNIA TP	26.418	5.55	TEMAGAMI TP	10.396	42.56
SOMBRA TP	8.107	6.77	CAMERON ID	.645	3.65
WARWICK TP	4.237	3.93		-----	
	100.000			100.000	

LIBRARY LEVY		EAST NIPISSING DISTRICT HOME FOR THE AGED - OPERATING		
FOREST T	1.877	9.58	NORTH BAY C	83.418 9.77
PETROLIA T	3.239	31.94	MATTAWA T	2.793 24.94
ALVINSTON V	.579	7.88	AIRY TP	1.459 22.66
ARKONA V	.250	6.97	BONFIELD TP	2.050 22.72
GRAND BEND V	1.335	6.21	CALVIN TP	1.270 1.72
OIL SPRINGS V	.339	30.24	CHISHOLM TP	1.256 4.38
THEDFORD V	.422	9.45	EAST FERRIS TP	5.008 29.31
WATFORD V	1.237	8.00	MATTAWAN TP	1.123 1.92
WYOMING V	1.419	31.59	PAPINEAU TP	1.374 3.52
BOSANQUET TP	6.703	4.25	CAMERON ID	.249
BROOKE TP	4.536	4.35		-----
ENNISKILLEN TP	4.647	4.02		100.000
EUPHEMIA TP	1.730	4.50	EAST NIPISSING DISTRICT HOME FOR THE AGED - CAPITAL	
MOORE TP	22.257	8.20	NORTH BAY C	84.653 9.77
PLYMPTON TP	7.241	3.70	MATTAWA T	2.834 24.94
SARNIA TP	28.755	5.55	BONFIELD TP	2.080 22.72
SOMBRA TP	8.823	6.77	CALVIN TP	1.289 1.72
WARWICK TP	4.611	3.93	CHISHOLM TP	1.275 4.38
	-----		EAST FERRIS TP	5.082 29.31
	100.000			

* LANARK CO			MATTAWAN TP	1.140	1.92
GENERAL LEVY			PAPINEAU TP	1.394	3.52
ALMONTE T	7.999	6.54	CAMERON ID	.253	3.65
CARLETON PLACE T	14.265	6.45		----- 100.000	
PERTH T	19.088	8.40			
LANARK V	1.444	7.06	HOME FOR THE AGED OF WEST NIPISSING		
BATHURST TP	5.751	5.06	CACHE BAY T	2.175	29.23
BECKWITH TP	7.551	4.94	STURGEON FALLS T	44.535	45.55
NORTH BURGESS TP	3.966	3.72	CALDWELL TP	15.013	1.72
DARLING TP	1.568	4.16	FIELD TP	4.329	23.48
DRUMMOND TP	5.353	5.31	SPRINGER TP	15.815	6.16
NORTH ELMSELEY TP	5.079	5.23	TEMAGAMI TP	18.133	42.56
LANARK TP	2.405	5.56		----- 100.000	
MONTAGUE TP	6.808	5.70	* PARRY SOUND D		
PAKENHAM TP	3.918	5.57	DISTRICT OF PARRY SOUND WELFARE ADMINISTRATION BOARD		
RAMSAY TP	8.368	5.66	KEARNEY T	3.253	-
SOUTH SHERBROOKE TP	2.477	4.06	PARRY SOUND T	13.056	-
LAVANT DALHOUSIE ET AL TP	3.960	4.35	POWASSAN T	2.312	-
	----- 100.000		TROUT CREEK T	1.010	-
			BURK'S FALLS V	2.372	-

WOLFORD TP	1.747	6.27	RYERSON TP	1.771	-
FRONT OF YONGE TP	3.266	7.08	STRONG TP	3.471	-
REAR OF YONGE AND ESCOTT TP	1.652	5.40	THE ARCHIPELAGO TP	12.156	-
	-----			-----	
	100.000			100.00	
* LENNOX AND ADDINGTON CO					
GENERAL LEVY					
NAPANEE T	11.628	11.29	KEARNEY T	7.161	-
BATH V	4.318	9.39	POWASSAN T	5.089	-
NEWBURGH V	1.003	8.45	TROUT CREEK T	2.224	-
ADOLPHUSTOWN TP	2.039	7.75	BURK'S FALLS V	5.221	-
AMHERST ISLAND TP	.913	6.07	MAGNETAWAN V	1.123	-
CAMDEN EAST TP	7.187	8.41	SOUTH RIVER V	4.271	-
DENBIGH ABINGER AND ASHBY TP	2.478	6.14	SUNDRIDGE V	4.159	-
ERNESTOWN TP	42.261	9.46	ARMOUR TP	7.219	-
NORTH FREDERICKSBURGH TP	5.238	8.45	CHAPMAN TP	4.251	-
SOUTH FREDERICKSBURGH TP	8.105	8.36	NORTH HIMSWORTH TP	15.917	-
KALADAR ANGLESEA & EFFINGHAM T	4.247	7.30	SOUTH HIMSWORTH TP	6.901	-
RICHMOND TP	7.758	8.92	JOLY TP	1.481	-
SHEFFIELD TP	2.825	6.65	MACHAR TP	5.433	-
	-----		NIPISSING TP	7.985	-
	100.000				

LIBRARY LEVY				PERRY TP	10.024	-
NAPANEE T	12.466	11.29		RYERSON TP	3.900	-
BATH V	4.629	9.39		STRONG TP	7.641	-
NEWBURGH V	1.075	8.45			-----	
ADOLPHUSTOWN TP	2.186	7.75			100.000	
AMHERST ISLAND TP	.979	6.07		DISTRICT OF PARRY SOUND (WEST)		HOME FOR THE AGED
CAMDEN EAST TP	7.705	8.41		PARRY SOUND T	23.928	-
ERNESTOWN TP	45.309	9.46		ROSSEAU V	1.007	-
NORTH FREDERICKSBURGH TP	5.616	8.45		CARLING TP	8.726	-
SOUTH FREDERICKSBURGH TP	8.689	8.36		CHRISTIE TP	4.293	-
RICHMOND TP	8.317	8.92		FOLEY TP	7.736	-
SHEFFIELD TP	3.029	6.65		HAGERMAN TP	3.739	-
	-----			HUMPHREY TP	10.755	-
	100.000			MCDUGALL TP	8.183	-
COUNTY ROADS LEVY				MCKELLAR TP	6.100	-
NAPANEE T	12.590	11.29		MCMURRICH TP	3.260	-
BATH V	4.675	9.39		THE ARCHIPELAGO TP	22.273	-
NEWBURGH V	1.086	8.45			-----	
ADOLPHUSTOWN TP	2.207	7.75			100.000	
CAMDEN EAST TP	7.781	8.41				
ERNESTOWN TP	45.757	9.46				
NORTH FREDERICKSBURGH TP	5.671	8.45				

SOUTH FREDERICKSBURGH TP	8.775	8.36	* RAINY RIVER D	
RICHMOND TP	8.399	8.92	DISTRICT OF RAINY RIVER HOME FOR THE AGED	
SHEFFIELD TP	3.059	6.65	FORT FRANCES T	44.891 12.31
	-----		RAINY RIVER T	4.474 8.39
	100.000		ALBERTON TP	4.598 4.32
* MIDDLESEX CO			ATIKOKAN TP	20.756 15.09
GENERAL LEVY			ATWOOD TP	1.607 3.52
PARKHILL T	1.188	28.90	BLUE TP	.392 4.90
STRATHROY T	8.056	9.28	CHAPPLE TP	4.551 2.96
AILS A CRAIG V	.602	26.59	DILKE TP	.905 4.78
GLENCOE V	1.627	35.86	EMO TP	8.160 2.84
LUCAN V	1.167	30.69	LA VALLEE TP	3.584 1.67
NEWBURY V	.446	7.19	MCCROSSON AND TOVELL TP	1.288 20.13
WARDSVILLE V	.351	7.65	MORLEY TP	2.363 3.73
ADELAIDE TP	4.198	4.77	MORSON TP	1.456 22.65
BIDDULPH TP	3.184	4.29	WORTHINGTON TP	.585 6.84
CARADOC TP	6.782	5.40	KINGSFORD ID	.390 1.52
DELAWARE TP	3.236	4.42		-----
NORTH DORCHESTER TP	7.482	5.19		100.000
EKFRID TP	3.620	3.74		
LOBO TP	6.804	4.99		
LONDON TP	13.429	5.25		

DISTRICT OF RAINY RIVER SOCIAL SERVICES BOARD			
MCGILLIVRAY TP	3.872	3.53	
METCALFE TP	2.184	4.10	FORT FRANCES T
MOSA TP	2.393	3.40	44.891
WEST NISSOURI TP	8.542	4.49	12.31
WESTMINSTER TP	16.240	6.69	RAINY RIVER T
EAST WILLIAMS TP	2.765	3.93	4.474
WEST WILLIAMS TP	1.832	3.55	4.598
	-----		20.756
	100.000		15.09
			ATWOD TP
			1.607
			3.52
			BLUE TP
			.392
			4.90
			CHAPPLE TP
			4.551
			2.96
			DILKE TP
			.905
			4.78
			EMO TP
			8.160
			2.84
			LA VALLEE TP
			3.584
			1.67
			MCCROSSON AND TOVELL TP
			1.288
			20.13
			MORLEY TP
			2.363
			3.73
			MORSON TP
			1.456
			22.65
			WORTHINGTON TP
			.585
			6.84
			KINGSFORD ID
			.390

			100.000
LIBRARY LEVY			
PARKHILL T	1.354	28.90	
AILS CRAIG V	.686	26.59	
GLENCOE V	1.855	35.86	
LUCAN V	1.330	30.69	
NEWBURY V	.509	7.19	
WARDSVILLE V	.400	7.65	
BIDDULPH TP	3.629	4.29	
CARADOC TP	7.729	5.40	
DELAWARE TP	3.688	4.42	
NORTH DORCHESTER TP	8.527	5.19	
EKFRID TP	4.125	3.74	
LOBO TP	7.754	4.99	

LONDON TP	15.304	5.25	* SUDBURY D
MCGILLIVRAY TP	4.413	3.53	DISTRICT OF SUDBURY SOCIAL SERVICES ADMINISTRATION BOARD
METCALFE TP	2.489	4.10	SUDBURY REGION
MOSA TP	2.728	3.40	ESPANOLA T
WEST NISSOURI TP	9.734	4.49	MASSEY T
WESTMINSTER TP	18.507	6.69	WEBBWOOD T
EAST WILLIAMS TP	3.151	3.93	BALDWIN TP
WEST WILLIAMS TP	2.088	3.55	CASIMIR JENNINGS & APPLEBY TP

	100.000		CHAPLEAU TP
			COSBY MASON AND MARTLAND TP
			HAGAR TP
			NAIRN TP
			RATTER AND DUNNET TP
			THE SPANISH RIVER TP

			100.000
			* THUNDER BAY D
			DISTRICT OF THUNDER BAY HOME FOR THE AGED
			GERALDTON T
			LONGLAC T

* NORTHUMBERLAND CO			
GENERAL LEVY			
CAMPBELLFORD T	4.602	5.79	
COBOURG T	21.120	9.30	
PORT HOPE T	15.252	8.14	
BRIGHTON T	3.486	6.80	
COLBORNE V	1.964	6.36	
HASTINGS V	1.124	6.07	
ALNWICK TP	1.966	3.37	
BRIGHTON TP	10.366	5.13	

CRAMAHE TP	3.520	5.01	CONMEE TP	1.470	5.00
HALDIMAND TP	5.003	4.08	DORION TP	1.990	9.56
HAMILTON TP	9.114	4.48	GILLIES TP	1.215	4.58
HOPE TP	7.556	4.69	MARATHON TP	8.725	49.06
MURRAY TP	6.623	5.11	NIPIGON TP	8.967	7.36
PERCY TP	3.398	4.51	O'CONNOR TP	1.678	3.93
SEYMOUR TP	4.906	4.43	OLIVER TP	6.001	4.74
	-----		PAIPOONGE TP	11.191	6.26
	100.000		SCHREIBER TP	5.673	8.11
			TERRACE BAY TP	13.843	38.18
			MANITOUWADGE TP	9.263	44.96
			BEARDMORE TP	1.323	25.88
			NAKINA TP	2.272	7.43
			RED ROCK TP	7.750	48.30

				100.000	

O. Reg. 255/84, Sched. 1.

Schedule 2

COLUMN 1	COLUMN 2	COLUMN 1	COLUMN 2
Regional Municipality of Durham	0.4609	County of Grey	0.5370
Regional Municipality of Haldimand-Norfolk	0.4949	County of Haliburton	0.5673
Regional Municipality of Halton	0.5076	County of Hastings	0.4903
Regional Municipality of Hamilton-Wentworth	0.4463	County of Huron	0.4246
Regional Municipality of Niagara	0.4464	County of Kent	0.4000
Regional Municipality of Ottawa-Carleton	0.4781	County of Lambton	0.4000
Regional Municipality of Sudbury	0.6800	County of Lanark	0.4250
Regional Municipality of Waterloo	0.4883	United Counties of Leeds & Grenville	0.4000
Regional Municipality of York	0.6230	County of Lennox and Addington	0.5260
County of Brant	0.4014	County of Middlesex	0.4000
County of Bruce	0.5841	County of Northumberland	0.4412
County of Dufferin	0.5334	County of Oxford	0.4000
County of Elgin	0.4000	County of Perth	0.4000
County of Essex	0.4000	County of Peterborough	0.5024
County of Frontenac	0.4393	United Counties of Prescott and Russell	0.4428
		County of Prince Edward	0.4122
		County of Renfrew	0.4000

COLUMN 1	COLUMN 2	COLUMN 1	COLUMN 2
County of Simcoe	0.4638	District of Parry Sound (East) Home for the Aged	0.8500
United Counties of Stormont, Dundas and Glengarry	0.4000	District of Parry Sound (West) Home for the Aged	0.8500
County of Victoria	0.6132	District of Parry Sound Welfare Administration Board	0.8500
County of Wellington	0.4738	District of Rainy River Home for the Aged	0.4000
Algoma District Social and Family Services Board	0.5340	District of Rainy River Social Services Board	0.4000
Algoma District Home for the Aged Board of Management	0.4825	District of Sudbury Welfare Administration Board	0.5890
Cochrane District Welfare Administration Board	0.4000	District of Thunder Bay Home for the Aged	0.4000
Cochrane District Home for the Aged	0.4000	Lakehead Region Conservation Authority	0.4000
District of Kenora Home for the Aged	0.4000	Mattagami Region Conservation Authority	0.4000
District of Manitoulin Homes for the Aged Administration Board	0.6305	Nickel District Conservation Authority	0.5889
East Nipissing District Home for the Aged	0.4105	North Bay - Mattawa Conservation Authority	0.4309
Home for the Aged of West Nipissing	0.4389	Sault Ste. Marie Region Conservation Authority	0.5082
Nipissing District Social Services Board	0.4435		

O. Reg. 255/84, Sched. 2.

Schedule 3

COLUMN 1	COLUMN 2	
	Estimated Residential Valuations	Estimated Commercial Valuations
General Levy		
Ottawa C.	21,161,195	211,039,458
Vanier C.	-	181,285
Kanata C.	90,424	1,046,533
Nepean C.	1,968,978	3,329,582
Gloucester C.	4,081,125	7,058,385
Rockcliffe Park V.	1,469,136	-
Cumberland Tp.	11,176	3,460
Goulbourn Tp.	13,070	34,116
Osgoode Tp.	-	17,450
Rideau Tp.	11,972	15,286
West Carleton Tp.	-	3,384,615
Sewer Levy		
Ottawa C.	21,161,195	211,039,458
Vanier C.	-	181,285
Kanata C.	-	1,046,533
Nepean C.	1,947,266	3,328,939
Gloucester C.	2,938,146	5,826,884
Rockcliffe Park V.	1,469,136	-
Goulbourn Tp.	-	6,120
Transit Levy		
Ottawa C.	21,161,195	211,039,458
Vanier C.	-	181,285
Kanata C.	-	1,046,533
Nepean C.	1,789,942	3,092,306
Gloucester C.	3,656,720	6,419,622
Rockcliffe Park V.	1,469,136	-

O. Reg. 255/84, Sched. 3.

Schedule 4

COLUMN 1	COLUMN 2
Town of Aurora	4.496
Town of East Gwillimbury	2.781
Township of Georgina	4.713
Township of King	5.388
Town of Markham	35.861
Town of Newmarket	6.786
Town of Richmond Hill	12.545
Town of Vaughan	22.986
Town of Whitchurch-Stouffville	4.188

O. Reg. 255/84, Sched. 4.

Schedule 5

COLUMN 1	COLUMN 2	COLUMN 3
Ganaraska Region		
Conservation Authority		
	Town of Newcastle	33.370
	Town of Cobourg	28.900
	Town of Port Hope	15.600
	Township of Haldimand	0.920
	Township of Hamilton	13.240
	Township of Hope	7.750
	Township of Cavan	0.140
	Township of Manvers	0.080

O. Reg. 255/84, Sched. 5.

Schedule 6

COLUMN 1	COLUMN 2	COLUMN 3
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Ganaraska Region
Conservation Authority

Town of Newcastle	33.4793
Town of Cobourg	29.2968
Town of Port Hope	15.2143
Township of Haldimand	0.9884
Township of Hamilton	12.9149
Township of Hope	7.8684
Township of Cavan	0.1484
Township of Manvers	0.0895

O. Reg. 255/84, Sched. 6.

(4615)

19

ONTARIO YOUTH EMPLOYMENT
ACT

O. Reg. 256/84.
General.
Made—April 18th, 1984.
Filed—April 25th, 1984.

REGULATION MADE UNDER THE
ONTARIO YOUTH EMPLOYMENT ACT

GENERAL

1. In this Regulation,

- (a) “business” includes a profession and any activity carried on by a person or group of persons, whether incorporated or unincorporated, and whether or not such activity is carried on for the purpose of profit or gain;
- (b) “business location” means the premises, office, factory, farm or place of business of any employer at which an eligible employee

hired under the Program will be employed and, where the eligible employee is normally required to perform work and services away from the usual place of business of the employer, includes the premises or place of business of the employer at which an eligible employee hired under the Program will be required to report for work;

- (c) “Ministry” means the Ministry of Municipal Affairs and Housing;
- (d) “period of eligibility” means the period from and including the 16th day of April, 1984, to and including the 20th day of October, 1984;
- (e) “Program” means the Ontario Youth Employment Program, 1984 established under section 2. O. Reg. 256/84, s. 1.

2.—(1) There is hereby established the Ontario Youth Employment Program, 1984.

(2) The Program commences on the 16th day of April, 1984 and terminates on the 20th day of October, 1984. O. Reg. 256/84, s. 2.

3. The following persons are prescribed as persons who are not eligible as employers:

1. Any employer who offers a position in respect of which the employee will be a person to whom Part V of the *Employment Standards Act* does not apply, but the employer is not an ineligible employer in respect of an employee to be employed,
 - i. on a farm directly related to the primary production of eggs, milk, grain, seeds, fruit, vegetables, maple products, honey, tobacco, pigs, cattle, sheep and poultry,
 - ii. as a student in a recreational program operated by a charitable organization registered as a registered charity in Canada under Part I of the *Income Tax Act* (Canada), where the work or duties of the student are directly connected with the recreational program, or
 - iii. as a student at a camp for children.
2. Any employer who receives or is entitled to receive from the Government of Canada, the government of any province, or a municipality, any subsidy, grant or other funding given specifically for or related directly to the salary or wages of any employee hired or to be hired under the Program, but the employer is an ineligible employer only in respect of an employee whose salary or wages are so funded.
3. Any employer engaged in the business of supplying temporary help services or similar services in respect of any employee hired or to be hired under the Program who will be required to perform work or services at the place of business or operations of another person who pays a fee or other remuneration to the employer and not to the eligible employee in respect of the work or services performed by the eligible employee.
4. Any employer that is a partnership where the employee to be hired has an interest in the partnership or where a person having an interest in the partnership is a related person to an employee to be hired under the Program within the meaning of subsection 4 (2) of the Act, but the employer is an ineligible employer only in respect of that employee. O. Reg. 256/84, s. 3.

4.—(1) No grant shall be made under the Program to an employer unless,

- (a) the employer makes application for approval as an eligible employer; and

- (b) the application has been approved by the Minister.

- (2) An application under subsection (1) shall be in a form provided by the Ministry for that purpose.

- (3) A separate application under subsection (1) shall be made for each business location at which employment is offered under the Program.

- (4) In considering an application from an employer, the Minister may take into consideration,

- (a) whether the employee will be provided with work experience or skills that will better equip him or her for full-time participation in the labour market;
- (b) the length of employment offered with a view to maximizing the opportunity for the employee to acquire work experience or skills;
- (c) the equitable distribution of funds among all areas of Ontario and between farms and other businesses in each area; and
- (d) the availability of funds.

- (5) No application for approval as an eligible employer shall be approved unless,

- (a) in respect of each position to be created under the Program, employment is offered for twenty-five or more hours per week during each week of employment under the Program and is offered for eight or more consecutive weeks during the period of eligibility; and
- (b) the employer certifies that,
 - (i) the employer has been actively engaged in business or farming at the business location at which employment is offered in Ontario for at least one year immediately prior to the 16th day of April, 1984, and
 - (ii) the employment offered is in addition to that normally provided by the employer at the business location at which employment is offered and does not result in the dismissal, lay-off or reduction in regular hours or period of work of any existing employee of the employer.

- (6) Notwithstanding subsection (5) and after taking into consideration the factors set out in subsection (4), the Minister has discretion to approve an application that does not comply with the requirements set out in clause (5) (a).

- (7) The Minister shall notify an employer when his or her application for approval as an eligible employer has been approved.

(8) The notice under subsection (7) may be given in writing or may be given verbally and confirmed in writing. O. Reg. 256/84, s. 4.

5.—(1) In order to ensure the equitable distribution of funds among all areas of Ontario and between farms and other businesses in each area, the Minister shall not approve more than fifty positions for any employer irrespective of the number of business locations used by the employer.

(2) In determining the number of positions for any employer under subsection (1), the Minister shall include all positions approved for any other employer where,

- (a) the other employer is an affiliated corporation;
- (b) both employers are franchisees of the same franchisor; or
- (c) one employer is the franchisor of the other.

(3) Notwithstanding subsection (1), the Minister may approve more than fifty positions for any employer if the Minister is satisfied, after taking into account the factors set out in subsection 4 (4), that all of the positions approved have been filled by eligible employees.

(4) For the purposes of this section, one corporation shall be deemed to be affiliated with another corporation if one of them is a subsidiary of the other or both are subsidiaries of the same corporation or each of them is controlled by the same person.

(5) For the purposes of this section, a corporation shall be deemed to be a subsidiary of another corporation if,

- (a) it is controlled by,
 - (i) that other,
 - (ii) that other and one or more corporations each of which is controlled by that other, or
 - (iii) two or more corporations each of which is controlled by that other; or
- (b) it is a subsidiary of a corporation that is that other's subsidiary.

(6) For the purposes of this section, a corporation shall be deemed to be controlled by another person or corporation or by two or more corporations if,

- (a) shares of the first mentioned corporation carrying more than 50 per cent of the votes for the election of directors are held otherwise than by way of security only, by or for the benefit of such other person or by or for the benefit of such other corporations; and

(b) the votes carried by such shares are sufficient if exercised to elect a majority of the board of directors of the first mentioned corporation. O. Reg. 256/84, s. 5.

6.—(1) Subject to subsections (2), (3), (4) and (5) and to section 7, the Minister may make a grant on receipt of a claim therefor to an eligible employer whose application has been approved under section 4, in the amount of \$1.25 an hour for each hour that an eligible employee has worked and been paid by such employer during the period of eligibility.

(2) Subject to subsection (3), no grant under subsection (1) shall be paid in respect of,

- (a) more than forty hours per week in respect of each eligible employee;
- (b) more than 4,000 hours of employment provided by an employer at a business location; or
- (c) more than twenty weeks of employment in respect of each eligible position.

(3) Where an employer is eligible to receive a grant in respect of part but not all of the hours worked by an eligible employee, the amount of the grant may be prorated.

(4) Subject to subsection (5), no grant shall be paid under subsection (1) in respect of any employee hired under the Program unless,

- (a) the employee was given employment for twenty-five or more hours a week during each week of employment under the Program and the employment was given for eight or more consecutive weeks during the period of eligibility;
- (b) the employee was resident and eligible to work in Ontario during the period of eligibility;
- (c) the employee was at least fifteen years of age but had not attained the age of twenty-five years on the 16th day of April, 1984;
- (d) the employer is not a related person, within the meaning of subsection 4 (2) of the Act; and
- (e) the employee was paid wages or salary of at least \$1.25 for each hour worked by the employee under the Program.

(5) Notwithstanding subsection (4) and after taking into consideration the factors set out in subsection 4 (4), the Minister has discretion to pay a grant in respect of the hours worked by an eligible employee where that employee was not given employment for twenty-five or more hours a week during each week of employment under the Program or was not given

employment for eight or more consecutive weeks during the period of eligibility. O. Reg. 256/84, s. 6.

7.—(1) A claim for a grant under section 6 shall be made in the form provided by the Ministry for that purpose and shall contain,

(a) a statement signed by the employer certifying that in respect of each eligible employee in respect of whom a grant is claimed,

(i) the employer has not applied for and will not apply for any subsidy, grant or other funding from the Government of Canada, the government of any province or a municipality in respect of the wages or salary of the employee,

(ii) the employer is not a related person within the meaning of subsection 4 (2) of the Act, and

(iii) the employee was paid wages or salary of at least \$1.25 for each hour worked by the employee under the Program; and

(b) a statement signed by each eligible employee certifying that the statements and information contained in the claim for a grant regarding the employee, including the number of hours worked by him or her to and including the date of signing, are true and correct in all respects and that the employee has been paid in respect of the hours worked.

(2) No grant is payable under section 6,

(a) to an employer who has not made the statement required by clause (1) (a); or

(b) in respect of any employee who has not made the statement required by clause (1) (b).

(3) No grant is payable under section 6 unless the claim therefor has been received by the Minister on or before the 31st day of January, 1985.

(4) Notwithstanding subsections (1) and (2), where a claim for a grant has been completed but the requisite statement by an employee has not been signed, the Minister may accept the claim if satisfied that,

(a) the provisions of section 6 have been complied with;

(b) the statements and information contained in the claim regarding the employee, including the number of hours worked by the employee to and including the date that the claim is made, are true and correct in all respects and that the employee has been paid in respect of the hours worked; and

(c) all reasonable efforts have been made by the employer to obtain the employee's signature. O. Reg. 256/84, s. 7.

8. A return under section 5 of the Act shall be in the form provided by the Ministry for that purpose and shall be made within thirty days after the mailing of the form by the Ministry. O. Reg. 256/84, s. 8.

(4616)

19

PLANNING ACT, 1983

O. Reg. 257/84.

Zoning Areas—Geographic Township of Bomby in the Territorial District of Thunder Bay.

Made—April 18th, 1984.

Filed—April 26th, 1984.

ORDER MADE UNDER THE PLANNING ACT, 1983

ZONING AREAS—GEOGRAPHIC TOWNSHIP OF BOMBY IN THE TERRITORIAL DISTRICT OF THUNDER BAY

INTERPRETATION

1. In this Order,

(a) "dwelling" means one or more habitable rooms occupied or capable of being occupied by one or more persons as a residence;

(b) "mineral exploration camp" means lands, buildings and structures used as a base camp for mineral exploration and includes a manager's office, recording office, cartography laboratory and sleeping and eating facilities for persons engaged in mineral exploration;

(c) "mine construction camp" means lands, buildings and structures used as a base camp for the construction of a mine and includes eating and sleeping facilities for persons engaged in such construction;

(d) "mobile home" means any dwelling that is designed to be made mobile and constructed or manufactured to provide a permanent residence for one or more persons, but does not include a travel trailer or tent trailer or trailer otherwise designed. O. Reg. 257/84, s. 1.

APPLICATION

2. This Order applies to those lands in the geographic Township of Bomby in the Territorial District of Thunder Bay composed of,

(a) Mining Claim TB673888, designated as Part 3 on Plan 55R-5358 deposited in the Land Registry Office for the Land Titles Division of Thunder Bay (No. 55) and entered as Parcel 2868, Thunder Bay Leasehold, in the said Land Registry Office; and

(b) Claim Group 275 (Noranda) shown on Plan 55R-5671 deposited in the Land Registry Office for the Land Titles Division of Thunder Bay (No. 55). O. Reg. 257/84, s. 2.

GENERAL

3. No land to which this Order applies shall hereafter be used and no building or structure shall hereafter be erected or used except in accordance with the terms of this Order, but nothing in this Order prevents the use of any land, building or structure for a purpose prohibited by this Order if the land, building or structure was lawfully used for such purpose on the day this Order comes into force. O. Reg. 257/84, s. 3.

PERMITTED USE

4. The lands referred to in section 2 may be used for the location and use thereon of a mineral exploration camp and a mine construction camp, including not more than two hundred and fifty mobile homes. O. Reg. 257/84, s. 4.

REBUILDING AND REPAIRS

5.—(1) Nothing in this Order prevents the reconstruction of any building or structure that is damaged or destroyed by causes beyond the control of the owner if the dimensions of the original building or structure are not increased or its original use altered.

(2) Nothing in this Order prevents the strengthening or restoration to a safe condition of any building or structure or part of any such building or structure. O. Reg. 257/84, s. 5.

CLAUDE F. BENNETT
*Minister of Municipal Affairs
and Housing*

Dated at Toronto, this 18th day of April, 1984.

(4636) 19

ONTARIO PLACE CORPORATION ACT

O. Reg. 258/84.

Fees.

Made—April 5th, 1984.

Approved—April 18th, 1984.

Filed—April 26th, 1984.

REGULATION TO AMEND REGULATION 732 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE ONTARIO PLACE CORPORATION ACT

1.—(1) Clauses 2 (1) (a) and (d) of Regulation 732 of Revised Regulations of Ontario, 1980, as remade by subsection 1 (1) of Ontario Regulation 287/83, are revoked and the following substituted therefor:

(a) for each adult, before 9.30 p.m., \$4.25;

(d) for each junior, before 9.30 p.m., \$4.25;

(2) Subsection 2 (1) of the said Regulation, as remade by subsection 2 (1) of Ontario Regulation 287/83, is amended by striking out "and" at the end of clause (i).

(3) Clause (j) of the said subsection 2 (1) is revoked and the following substituted therefor:

(j) for each senior citizen other than during the Canadian National Exhibition or during the Canadian National Exhibition up to 12 noon, no charge; and

(k) for each senior citizen at or after 12 noon, during the Canadian National Exhibition, \$1.00. O. Reg. 287/83, s. 1 (1); O. Reg. 258/84, s. 1 (1-3).

(4) Clause 2 (6) (a) of the said Regulation, as remade by subsection 1 (4) of Ontario Regulation 255/81, is revoked and the following substituted therefor:

(a) for the first twenty minutes . . . \$2.10; and

(5) Clauses 2 (7) (a) and (b) of the said Regulation, as remade by subsection 1 (2) of Ontario Regulation 287/83, are revoked and the following substituted therefor:

(a) for one car at any time other than during the Canadian National Exhibition on a day when there is no charge for parking at Exhibition Place, \$3.15 a day;

(aa) for one car at any time other than during the Canadian National Exhibition on a day when there is a charge for parking at Exhibition Place, \$3.50;

(b) for one car during the Canadian National Exhibition, \$5.00 a day;

(6) Clause 2 (7) (i) of the said Regulation, as remade by subsection 1 (9) of Ontario Regulation 255/81, is revoked and the following substituted therefor:

(i) for one car for the season for staff members of Ontario Place, \$36.75.

(7) Subsection 2 (15) of the said Regulation, as remade by subsection 1 (4) of Ontario Regulation 287/83, is revoked and the following substituted therefor:

(15) The fee for the use of the waterslide is, for each half hour, \$2.10. O. Reg. 258/84, s. 1 (7).

- (8) Subsection 2 (17) of the said Regulation is revoked and the following substituted therefor:
- (17) The fee for a ride on a bumper boat for each period of six minutes is \$1.75 for each person.
O. Reg. 258/84, s. 1 (8).
2. Table 1 of the said Regulation, as remade by section 2 of Ontario Regulation 287/83, is revoked and the following substituted therefor:

TABLE 1
Sailboats, Runabouts and Cruisers

COLUMN 1	COLUMN 2		
	Daily	Monthly	Seasonal
Up to and including 20 feet	\$10.00	\$130.00	\$ 515.00
21 feet to and including 25 feet	11.00	200.00	745.00
26 feet to and including 30 feet	12.00	230.00	885.00
31 feet to and including 35 feet	13.50	255.00	1,040.00
36 feet to and including 40 feet	15.75	310.00	1,180.00
41 feet to and including 45 feet	17.75	345.00	1,350.00
46 feet to and including 50 feet	18.25	380.00	1,490.00
51 feet to and including 55 feet	18.75	415.00	1,635.00
56 feet to and including 60 feet	20.00	460.00	1,775.00
Over 60 feet in length, for each foot or portion thereof of length overall	.80	8.90	30.00

O. Reg. 258/84, s. 2.

ONTARIO PLACE CORPORATION:

VIRGINIA COOPER
for General Manager

W. R. COWAN
for Secretary Treasurer

Dated at Toronto, this 5th day of April, 1984.

ST. CLAIR PARKWAY COMMISSION
ACT

O. Reg. 259/84.
General.
Made—February 15th, 1984.
Approved—April 18th, 1984.
Filed—April 26th, 1984.

REGULATION TO AMEND
REGULATION 906 OF
REVISED REGULATIONS OF ONTARIO, 1980
MADE UNDER THE
ST. CLAIR PARKWAY COMMISSION ACT

1. Section 16 of Regulation 906 of Revised Regulations of Ontario, 1980, as remade by section 1 of Ontario Regulation 383/83, is revoked and the following substituted therefor:
- 16.—(1) The daily fee for a person to use The St. Clair Parkway Golf Course at Mooretown is,
- (a) from the first Monday of April to the last Sunday of September in any year,
- (i) \$11 for eighteen holes to play, and
- (ii) \$8 for nine holes of play; and
- (b) from the last Monday of September to the 31st day of October in any year,
- (i) \$9.95 for eighteen holes of play, and
- (ii) \$7 for nine holes of play.
- (2) The annual fee for a person to use The St. Clair Parkway Golf Course at Mooretown at any time it is open is,
- (a) for a person not less than eighteen years of age and not more than twenty-two years of age who is a student in a high school, university or vocational training school, \$236.25; and
- (b) for any other person not less than eighteen years of age, \$380.
- (3) The annual fee for a husband and wife to use The St. Clair Parkway Golf Course at Mooretown at any time it is open is \$583.80.
- (4) A person sixty-five years of age or over, upon payment of an annual fee of \$192, may use The St. Clair Parkway Golf Course at Mooretown at any time it is open,
- (a) on Monday, Tuesday, Wednesday, Thursday or Friday, from the first Monday of April to the second Sunday of September, both inclusive; and

- (b) on any day of the week on and after the third Monday of September.

(5) A person under eighteen years of age, upon payment of the fee prescribed in subsection (1) or upon payment of an annual fee of \$176.40, may use The St. Clair Parkway Golf Course at Mooretown,

- (a) when playing with one or both parents, at any time it is open;
- (b) after 1 p.m. during the months of April and August and the period from the 1st day of September to the second Sunday of September, both inclusive;
- (c) after 2 p.m. during the months of May, June and July; and
- (d) on and after the third Monday in September, at any time it is open.

(6) A husband, his wife and their children under eighteen years of age may use The St. Clair Parkway Golf Course at Mooretown on payment of an annual fee of \$696 and clauses (5) (a), (b), (c) and (d) apply to the children.

(7) Notwithstanding subsection (1), the daily fee for registered seasonal league players is \$7 for nine holes of play.

(8) Notwithstanding subsection (1), the daily fee for nine holes of play is,

- (a) after 6 p.m. during the months of May, June, July and August, \$7; and
- (b) after 5 p.m. during the months of September and October, \$7.

(9) The daily rental fee for a golf cart is,

- (a) for a gas cart and for,
 - (i) eighteen holes of play, \$16.50, or
 - (ii) nine holes of play, \$9.90; and
- (b) for a pull cart, \$1.61.

(10) Where this section prescribes an annual fee, the fee shall be reduced by 10 per cent for a person who pays it in full on or before the 31st day of January in the year to which the annual fee relates. O. Reg. 259/84, s. 1.

2. Subsections 19 (2) and (3) of the said Regulation, as remade by section 2 of Ontario Regulation 383/83, are revoked and the following substituted therefor:

(2) The fee payable for a daily camp-site permit is,

- (a) \$6.60 per day where electrical power and a comfort station are not available;

- (b) \$7.17 per day where a comfort station is available but no electrical power is available; and

- (c) \$7.17 per day and an additional \$1.63 for each electrical outlet where a comfort station and electrical power are available.

(3) The fee payable for a camp-site permit that is valid for a seven day period is,

- (a) \$39.60 payable in advance where electrical power and a comfort station are not available;
- (b) \$43 payable in advance where a comfort station is available but no electrical power is available; and
- (c) \$52.80 payable in advance where a comfort station and electrical power are available. O. Reg. 259/84, s. 2.

3. Subsection 20 (2) of the said Regulation, as remade by section 3 of Ontario Regulation 383/83, is revoked and the following substituted therefor:

(2) The fee for a seasonal camp-site permit is,

- (a) at Lambton-Cundick Park, \$330.75; and
- (b) at Cathcart and Marine Parks, \$440. O. Reg. 259/84, s. 3.

4. Subsection 22 (2) of the said Regulation, as remade by section 5 of Ontario Regulation 383/83, is revoked and the following substituted therefor:

(2) The fee for the use of The St. Clair Parkway Marine Park at Mitchell's Bay is,

- (a) to launch any boat, \$3.65 per day;
- (b) to launch any boat, \$88 per season;
- (c) to rent a boat and motor, \$31.50 per day from sunrise to sunset;
- (d) to rent a boat and motor, \$21 per half day;
- (e) to rent a boat and motor, \$12.50 for less than half a day;
- (f) to rent a boat without a motor, \$12.50 per day from sunrise to sunset;
- (g) for mooring any boat for a day, 50 cents per foot of boat;
- (h) for mooring any boat for a month, \$4.90 per foot of boat;
- (i) for mooring any boat for a season, \$16.50 per foot of boat and where electrical power is

supplied, an additional \$55 per season for each outlet; and

(j) to use the dumping station for emptying holding tanks, \$5.50 per boat or trailer.

(2a) Where subsection (2) prescribes a fee for a season, the fee shall be reduced by 10 per cent for a person who pays it in full on or before the 31st day of January in the year to which the seasonal fee relates. O. Reg. 259/84, s. 4.

THE ST. CLAIR PARKWAY COMMISSION:

D. G. BAILEY
Chairman

R. F. HARRISON
Secretary-Treasurer

Dated at Corunna, this 15th day of February, 1984.

(4638)

19

ST. LAWRENCE PARKS COMMISSION
ACT

O. Reg. 260/84.

Parks.

Made—January 30th, 1984.

Approved—April 18th, 1984.

Filed—April 26th, 1984.

REGULATION TO AMEND
REGULATION 909 OF
REVISED REGULATIONS OF ONTARIO, 1980
MADE UNDER THE
ST. LAWRENCE PARKS COMMISSION ACT

1. Section 1 of Regulation 909 of Revised Regulations of Ontario, 1980, as amended by section 1 of Ontario Regulation 225/83, is amended by adding thereto the following clauses:

(ca) "immediate family" means two persons and their dependent children who reside with them;

(fa) "student" means a person who is thirteen years of age or older, but less than nineteen years of age, and is enrolled in a school as defined in the *Education Act*;

2.—(1) Subsection 28 (1) of the said Regulation, as remade by subsection 2 (1) of Ontario Regulation 225/83, is revoked and the following substituted therefor:

(1) The fees payable for a camp-site and vehicle permit are,

(a) on a daily basis,

(i) \$6.50 per day without electrical power and without a comfort station,

(ii) \$7.00 per day without electrical power and with a comfort station,

(iii) \$8.25 per day with electrical power and without a comfort station,

(iv) \$8.75 per day with electrical power and with a comfort station, and

(v) \$3 per day for an additional vehicle permit; and

(b) on a weekly basis,

(i) \$39 per week, payable in advance, without electrical power and without a comfort station,

(ii) \$42 per week, payable in advance, without electrical power and with a comfort station,

(iii) \$49.50 per week, payable in advance, with electrical power and without a comfort station, and

(iv) \$52.50 per week, payable in advance, with electrical power and with a comfort station, and

(v) \$18 per week, payable in advance, for an additional vehicle permit. O. Reg. 260/84, s. 2 (1).

(2) Clause 28 (4) (a) of the said Regulation, as remade by subsection 1 (2) of Ontario Regulation 3/82, and clause 28 (4) (c) of the said Regulation, as remade by subsection 2 (3) of Ontario Regulation 225/83, are revoked and the following substituted therefor:

(a) \$2.60 per day for a daily vehicle permit;

(c) \$12.50 per day for a bus licensed under the *Public Vehicles Act*; and

(3) Section 28 of the said Regulation, as amended by section 1 of Ontario Regulation 3/82 and section 2 of Ontario Regulation 225/83, is amended by adding thereto the following subsections:

(9) Group camping may be permitted, if sites are available, at the Adolphustown, Grenville, Morrison Island and Brown's Bay parks, at the rate of \$5 per site per day plus an additional \$1 for each person who is eighteen years of age or older but less than sixty-five years of age.

(10) The fee payable for trailer storage is \$2 per day. O. Reg. 260/84, s. 2 (3).

3. Section 29 of the said Regulation, as remade by section 3 of Ontario Regulation 225/83, is revoked and the following substituted therefor:

29.—(1) The fee for entry to Old Fort Henry is,

(a) for each person over twelve years of age, \$3.50;

(b) notwithstanding clause (a), for each senior citizen, \$2.10;

(c) notwithstanding clause (a), for each person from six to twelve years of age, for each student as part of a school or youth group and for each supervisor accompanying the group, \$1.25; and

(d) notwithstanding clause (a), for each student with a student identification card, \$2.50.

(2) The fee for entry to Upper Canada Village is,

(a) for each person over twelve years of age, \$4.50;

(b) notwithstanding clause (a), for each senior citizen, \$2.60;

(c) notwithstanding clause (a), for each person from six to twelve years of age, for each student as part of a school or youth group and for each supervisor accompanying the group, \$1.50; and

(d) notwithstanding clause (a), for each student with a student identification card, \$3.50.
O. Reg. 260/84, s. 3.

4. Subsection 30 (1) of the said Regulation, as remade by section 4 of Ontario 225/83, is revoked and the following substituted therefor:

(1) Notwithstanding section 29, the fee for a season's pass entitling the holder to enter Old Fort Henry and Upper Canada Village on any day those premises are open to the public during the year in which the pass is issued is,

(a) for each person over twelve years of age, \$13; and

(b) notwithstanding clause (a), for a family consisting of not more than two adults and three or more children from six to twelve years of age, \$36. O. Reg. 260/84, s. 4.

5. Section 31 of the said Regulation, as remade by section 5 of Ontario Regulation 225/83, is revoked and the following substituted therefor:

31.—(1) Subject to subsection (2), the fee for one day's use of the golf course at Crysler Farm Battlefield Park for eighteen holes by any person is,

(a) before 5:00 p.m. on weekdays, \$10.50;

(b) after 5:00 p.m. on weekdays, \$5.25;

(c) before 5:00 p.m. on weekends and holidays, \$11; and

(d) after 5:00 p.m. on weekends and holidays, \$5.50.

(2) The fee for a season ticket entitling any person to use the golf course at Crysler Farm Battlefield Park at any time it is open is,

(a) \$245 for a person if no member of his immediate family holds a current season ticket;

(b) \$200 for a person if one member of his immediate family holds a current season ticket; and

(c) \$150 for a person if two or more members of his immediate family hold current season tickets. O. Reg. 260/84, s. 5.

THE ST. LAWRENCE PARKS COMMISSION:

DONALD IRVINE
Chairman

ROBERT A. COOK
General Manager

Dated at Morrisburg, this 30th day of January, 1984.

(4639)

19

MENTAL HEALTH ACT

O. Reg. 261/84.

Application of Act.

Made—April 18th, 1984.

Filed—April 26th, 1984.

REGULATION TO AMEND REGULATION 609 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE MENTAL HEALTH ACT

1. Schedule 3 to section 1 of Regulation 609 of Revised Regulations of Ontario, 1980, as amended by section 1 of Ontario Regulation 173/81, subsection 1 (2) of Ontario Regulation 454/81, section 1 of Ontario Regulation 463/81, section 2 of Ontario Regulation 255/82, section 2 of Ontario Regulation 745/82, section 2 of

Ontario Regulation 673/83 and section 1 of Ontario Regulation 154/84, is further amended by adding thereto the following item:

19b. Ottawa Centre Psycho-Social
Pour Enfants Et Familles
Ottawa-Carleton

2. Item 5a of Schedule 4 to section 1 of the said Regulation, as made by subsection 3 (2) of Ontario Regulation 673/83, is revoked and the following substituted therefor:

5a. Brampton Kinark Child and
Family Services

(4640)

19

MENTAL HEALTH ACT

O. Reg. 262/84.

Grants.

Made—April 18th, 1984.

Filed—April 26th, 1984.

REGULATION TO AMEND REGULATION 610 OF REVISED REGULATIONS OF ONTARIO, 1980 MADE UNDER THE MENTAL HEALTH ACT

1. Section 8 of Regulation 610 of Revised Regulations of Ontario, 1980, as amended by section 1 of Ontario Regulation 174/81, section 1 of Ontario Regulation 215/81, section 1 of Ontario Regulation 226/82, section 1 of Ontario Regulation 804/82, section 1 of Ontario Regulation 522/83 and section 1 of Ontario Regulation 153/84, is further amended by renumbering item 2a as item 2c and by adding thereto the following items:

2a. Kapuskasing Kapuskasing Regional
Children and Youth
Development Centre

2b. Kirkland Lake Child and Youth Services of
Timiskaming, Les Ser-
vices A L'Enfance Et A
La Jeunesse Du Timis-
kaming

(4641)

19

OCCUPATIONAL HEALTH AND SAFETY ACT

O. Reg. 263/84.

X-Ray Safety, Registration and
Plan Review.

Made—April 18th, 1984.

Filed—April 27th, 1984.

REGULATION MADE UNDER THE OCCUPATIONAL HEALTH AND SAFETY ACT

X-RAY SAFETY, REGISTRATION AND PLAN REVIEW

1.—(1) In this Regulation,

- (a) "air kerma" means the sum of the initial kinetic energies per unit mass of all the charged particles liberated by uncharged ionizing radiation in air;
- (b) "Director" means the Director of the Special Studies and Services Branch of the Ministry of Labour;
- (c) "dose" means the mean energy per unit mass imparted by ionizing radiation to matter;
- (d) "gray" means a unit of air kerma, and is realized when one joule of energy has been liberated per kilogram of air;
- (e) "shielding" means a barrier of radiation absorbing material or materials used to reduce the dose or dose rate imparted to an object located beyond the barrier;
- (f) "x-ray machine" means an electrically powered device, the principal purpose and function of which is the production of x rays;
- (g) "x-ray source" means any device, or that portion of any device, that emits x rays, whether or not the device is an x-ray machine;
- (h) "x rays" means electrically-generated electromagnetic radiation of maximum photon energy not less than 5,000 electron volts.

(2) For the purpose of this Regulation, one gray of air kerma is equivalent to 115 roentgens of exposure. O. Reg. 263/84, s. 1.

2. Subject to section 3, this Regulation applies to every owner, employer, supervisor and worker at a workplace where an x-ray source is present or used. O. Reg. 263/84, s. 2.

3.—(1) This Regulation does not apply in respect of an x-ray source that,

- (a) in every mode of operation, produces an air kerma rate of not more than 1.0 microgray per hour at any accessible point outside the surface of the x-ray source and the x-ray source is not an x-ray machine; or
- (b) in some mode of operation, produces x rays or other radiation capable of inducing radioactivity in matter on which they fall and the x-ray source is licensable under the *Atomic Energy Control Act* (Canada).

(2) Sections 5, 6, 7 and 8 do not apply in respect of an x-ray machine the installation, registration or operation of which is subject to the *Healing Arts Radiation Protection Act*. O. Reg. 263/84, s. 3.

4. Except as permitted under the *Healing Arts Radiation Protection Act*,

- (a) no employer or supervisor shall permit an x-ray source to be used for the irradiation of a person; and
- (b) no worker shall use or operate an x-ray source for the irradiation of the worker or another person. O. Reg. 263/84, s. 4.

5.—(1) Subject to subsection (3), every employer in possession of an x-ray source, who uses or intends to use the x-ray source in or about a work place, shall register with the Director.

(2) An application for registration shall be in Form 1.

(3) An employer who was registered under Regulation 855 of Revised Regulations of Ontario, 1980, made under the *Public Health Act*, or a predecessor thereof, shall be deemed to be registered with the Director for the purposes of this Regulation.

(4) Where an employer registered under this Regulation or Regulation 855 of Revised Regulations of Ontario, 1980, or a predecessor thereof, ceases to have possession of an x-ray source, the employer shall forthwith notify the Director thereof. O. Reg. 263/84, s. 5.

6. Every person who sells, supplies or leases an x-ray source for use in or about a work place shall forthwith notify the Director in writing thereof and give particulars of the name and address of the employer, the type of x-ray source and the date by which the source will be received by the employer. O. Reg. 263/84, s. 6.

7.—(1) No owner or employer shall install, cause to be installed, or permit the installation of, or use or permit to be used, an x-ray source in a permanent location or an x-ray source designed for portable or mobile use that is used regularly in one location unless an application therefor has been reviewed by and is acceptable to an inspector.

(2) Notwithstanding subsection (1), an x-ray source that was in use before this Regulation comes into force may continue to be used and the owner or employer may permit its use without complying with that subsection.

(3) An owner or employer shall apply to an inspector for review and acceptance of the installation or use of an x-ray source mentioned in subsection (1) by filing with an inspector a completed application in Form 2 and plan location drawings in duplicate that shall,

- (a) bear the name of the applicant and the address of the location;
- (b) be on a legible scale that is not less than 1:100 and that is suitable for microfilming;
- (c) indicate the direction north;
- (d) show the proposed location of the x-ray source and, where applicable, the range of its motion;
- (e) show the proposed location of the x-ray control panel, where the location of the control panel is different from that of the x-rays source;
- (f) indicate the use of rooms or areas that are adjacent, both horizontally and vertically, to the proposed location;
- (g) indicate the type and thickness of the shielding installed or to be installed on the boundaries of the proposed location; and
- (h) indicate the type and location of the safety devices such as warning lights, interlocks and cut-off switches.

(4) No owner or employer shall install or use an x-ray source other than in accordance with the application and the plan location drawings as accepted by an inspector.

(5) Where,

- (a) the installation or use of an x-ray source, including an x-ray source to which subsection (2) applies;
- (b) the use of rooms or areas adjacent, either horizontally or vertically, to the location of an x-ray source; or
- (c) any shielding,

is to be changed, modified or altered and the change, modification or alteration is likely to result in an increase in the exposure of a worker, the owner or employer shall notify in writing an inspector of the proposed change, modification or alteration. O. Reg. 263/84, s. 7.

8.—(1) Where an employer comes into possession of an x-ray source that is intended for portable or mobile use and that is so used, notice thereof shall be given to the Director.

(2) The notice required by subsection (1) shall be in writing and shall include,

- (a) the name and address of the employer;
- (b) the employer's registration number, if any;

(c) the location where the source will normally be stored;	(e) the make, model and serial number of the source; and
(d) the purpose for which the source will be used;	(f) the maximum operating voltage and current of the source. O. Reg. 263/84, s. 8.

Form 1

Occupational Health and Safety Act

X-RAY SAFETY, REGISTRATION AND PLAN REVIEW APPLICATION FOR REGISTRATION

Ontario Ministry of Labour	Radiation Protection Service	Registration No.
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NOTE: Insert “X” in all applicable boxes.

The undersigned, as employer ☐ or as agent for the employer ☐ applies for registration with the Radiation Protection Service of the Ministry of Labour.

A. The employer is:

Name	Telephone No.
Business Address	
City	Postal Code

B. The person to whom correspondence should be addressed is as at “A” ☐, or is:

Name	Telephone No.
Position or Title	
Address	
City	Postal Code

C. The general nature of the employer’s business is (check one category only):

☐ Industrial and Commercial

☐ Veterinarian

☐ Research and Development

☐ Education and Training

☐ Other (Please specify)

D. As of the date of this registration, the employer is in possession of the following x-ray sources at the locations indicated (for portable or mobile units indicate where normally stored):

MAKE	MODEL	LOCATION (Room, Building, Street, City)	DATE INSTALLED

Dated at, thisday of, 19...

..... Signature of Applicant Name (please type or print)
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Form 2

Occupational Health and Safety Act

X-RAY SAFETY, REGISTRATION AND PLAN REVIEW
APPLICATION FOR REVIEW OF PERMANENT X-RAY LOCATION

Ontario Ministry
of Labour

Radiation Protection
Service

Registration
No.

NOTE: Insert "X" in all applicable boxes.

PART A: GENERAL

The undersigned, as

- ☐ employer
- ☐ owner
- ☐ contractor
- ☐ architect
- ☐ engineer
- ☐ agent

applies for review of a permanent x-ray location. The application covers a total of x-ray sources in rooms. It is accompanied by related floor plans *in duplicate* and by one completed Part B for each x-ray source for which review is sought.

1. The name of the x-ray facility for which review is sought is:
.....

2. The employer is:

Name

Telephone No.

Number, Street

City Postal Code

3. The employer's registration number isOR the employer is not registered ☐.

4. This application is submitted for the following reason:

- ☐ Opening of a new facility
- ☐ Relocation of sources
- ☐ Replacement of old sources in existing facilities
- ☐ Additional sources
- ☐ Acquisition of existing facility from:

Previous owner's name

Registration No.
- ☐ Change of shielding provisions, structure, or safety devices
- ☐ Compliance with Inspector's direction

Operation is expected to commence on the following date:
....., 19...

5. The x-ray source(s) will be (or are at present) located as at 2 ☐, or at:

Number, Street

City Postal Code

6. The person who exercises (or will exercise) direction over the safe use and operation of the x-ray source at the above location is the employer ☐, or is:

Name Telephone No.

Position

Relevant Qualifications

7. The drawings and specifications were prepared by:

☐ employer

☐ architect

☐ other (specify)

Name Telephone No.

Number, Street

City Postal Code

Dated at, this day of, 19...

.....

Signature of Applicant Name (please type or print)

PART B: SPECIFIC

Please note: One copy of Part B is required for each x-ray source for which review is sought.

1. This sheet refers to x-ray source number of x-ray sources located in the room designated as and so marked on the accompanying drawings.

2. This x-ray source is used for

It is identified by:

Make/Model Serial No. and has the following operating characteristics:

- (a) the maximum rated tube voltage is kilovolts
- (b) the maximum rated tube current is milliamperes
- (c) the anticipated maximum workload is milliampere-minutes per week.

3. The composition of the boundaries of the room, including windows and doors, are (give material types and thicknesses):

Floor

Ceiling

Walls: North

East

South

West

Occupancy (See Note 1)		Usage Factor (See Note 2)	
Direction	Type	Per Cent	Per Cent
Down

Up	.....	.....	.....
North	.....	.....	.....
East	.....	.....	.....
South	.....	.....	.....
West	.....	.....	.....

NOTE 1: Occupancy type is the nature of use of the area in the indicated direction relative to the x-ray source (e.g. office, waiting room, parking lot, etc.). Occupancy per cent is the fraction, expressed as a percentage, of the time the area will be occupied while the source is on (omit if unknown).

NOTE 2: The usage factor is the fraction of the time the beam will be pointed in the direction indicated, as a percentage of the total time the source is on. For uncollimated, panoramic, or multiple beams, the sum may exceed 100 per cent.

The information given in this Part must correspond with that given on the accompanying floor plans. O. Reg. 263/84, Form 2.

ONTARIO GUARANTEED ANNUAL
INCOME ACT

O. Reg. 264/84.
Guaranteed Income Limit.
Made—April 18th, 1984.
Filed—April 27th, 1984.

REGULATION MADE UNDER THE
ONTARIO GUARANTEED ANNUAL
INCOME ACT

GUARANTEED INCOME LIMIT

1. Commencing with the month of April, 1984 the guaranteed income limit for purposes of,
 - (a) subclause 1 (j) (i) of the Act is \$6,989.88;
 - (b) subclause 1 (j) (ii) of the Act is \$6,659.88;
 - (c) subclause 1 (j) (iii) of the Act is \$6,255.24;
 - (d) subclause 1 (j) (iv) of the Act is \$13,319.76.O. Reg. 264/84, s. 1.
2. Ontario Regulation 40/84 is revoked.
3. This Regulation comes into force on the 1st day of April, 1984.

RETAIL SALES TAX ACT

O. Reg. 265/84.
General.
Made—April 18th, 1984.
Filed—April 27th, 1984.

REGULATION TO AMEND
REGULATION 904 OF
REVISED REGULATIONS OF ONTARIO, 1980
MADE UNDER THE
RETAIL SALES TAX ACT

- 1.—(1) Subsection 24 (1) of Regulation 904 of Revised Regulations of Ontario, 1980 is revoked and the following substituted therefor:
 - (1) The Deputy Minister of Revenue and the officer in the Ministry of Revenue holding the position of Assistant Deputy Minister, Tax Revenue, may exercise any power and perform any duty conferred or imposed upon the Minister by the Act or the regulations. O. Reg. 265/84, s. 1 (1).
 - (2) Subsection 24 (2) of the said Regulation, as amended by subsection 1 (1) of Ontario Regulation 140/81 and subsection 13 (1) of Ontario Regulation 619/83, is further amended by striking out “and” at the end of clause (a), by adding “and” at the end of clause (b) and by adding thereto the following clause:

- (c) under section 13 of Regulation 903 of Revised Regulations of Ontario, 1980.
- (3) Subsection 24 (3) of the said Regulation, as remade by section 2 of Ontario Regulation 342/82, is amended by striking out “and” at the end of clause (a), by adding “and” at the end of clause (b) and by adding thereto the following clause:
- (c) under section 13 of Regulation 903 of Revised Regulations of Ontario, 1980.
- (4) Subsection 24 (4) of the said Regulation, as remade by section 3 of Ontario Regulation 342/82, is amended by striking out “and” at the end of clause (a), by adding “and” at the end of clause (b) and by adding thereto the following clause:
- (c) under section 13 of Regulation 903 of Revised Regulations of Ontario, 1980.
- (5) Subsection 24 (5) of the said Regulation, as remade by section 4 of Ontario Regulation 342/82, is amended by striking out “and” at the end of clause (a), by adding “and” at the end of clause (b) and by adding thereto the following clause:
- (c) under section 13 of Regulation 903 of Revised Regulations of Ontario, 1980.
2. Subsection 28 (4) of the said Regulation, as made by section 6 of Ontario Regulation 634/82, is revoked and the following substituted therefor:
- (4) Where prepared food products are provided to a student of a boarding school or university in an eating establishment operated by or on behalf of the school or university, the student is exempt from the tax imposed by the Act on his purchase of prepared food products provided that the prepared food products are supplied as part of a plan whereby the student purchases his meals from the school or university at a single comprehensive price covering the period of a full school term, a semester or a similar uninterrupted period that comprises more than thirty days. O. Reg. 265/84, s. 2.
3. This Regulation shall be deemed to have come into force on the 11th day of May, 1983.

(4644)

19

FUEL TAX ACT, 1981

O. Reg. 266/84.
General.
Made—April 18th, 1984.
Filed—April 27th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 778/82
MADE UNDER THE
FUEL TAX ACT, 1981

1. Section 6 of Ontario Regulation 778/82 is amended by adding thereto the following paragraphs:
7. Clear fuel purchased from the terminal of a collector in a quantity in excess of 100,000 litres by a person authorized by the Minister to acquire the fuel for the purpose of resale to a collector operating an authorized dye-point for transfer by pipeline, railway or ship to that dye-point where all the fuel is delivered to the dye-point of the purchasing collector and the person authorized by the Minister to acquire clear fuel for resale presents to the collector selling the fuel a single exemption certificate issued by the Minister.
8. Clear fuel purchased from the terminal of a collector in a quantity in excess of 100,000 litres by a person authorized by the Minister to acquire the fuel for the purpose of resale to a collector operating an authorized dye-point for transfer by truck to that dye-point where,
- i. delivery of the fuel is taken and title to the fuel passes at the terminal of the collector selling the fuel and the fuel is picked up by the collector purchasing the fuel or a common carrier employed by the collector purchasing the fuel; or
- ii. delivery of the fuel is taken and title to the fuel passes at an authorized dye-point of the purchasing collector,
- and where all the fuel is delivered to the dye-point of the purchasing collector and the person authorized by the Minister to acquire clear fuel for resale presents to the collector selling the fuel a single exemption certificate issued by the Minister. O. Reg. 778/82, s. 6; O. Reg. 266/84, s. 1.
2. This Regulation shall be deemed to have come into force on the 1st day of November, 1983.

(4645)

19

FUEL TAX ACT, 1981

O. Reg. 267/84.
General.
Made—April 9th, 1984.
Filed—April 27th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 772/82
MADE UNDER THE
FUEL TAX ACT, 1981

1. Ontario Regulation 772/82 is amended by adding thereto the following section:

9a.—(1) An application for a single exemption certificate referred to in paragraphs 7 and 8 of section 6 of Ontario Regulation 778/82 shall be in Form 20 and the single exemption certificate so referred to shall be in Form 21.

(2) A statement of clear fuel receipts and deliveries shall be in Form 22.

(3) Where a person is seeking to purchase clear fuel from a collector exempt of tax for resale to a collector, the person shall apply for a single exemption certificate and where he is issued a single exemption certificate and he purchases and resells the clear fuel exempt of tax he shall deliver the application for the single exemption certificate to the Minister so that the Minister receives the application within the forty-eight

hours next following the departure from the terminal of the collector selling the fuel of the first portion of the fuel purchased.

- (4) A person referred to in subsection (3) shall,
- (a) upon purchasing clear fuel exempt of tax, deliver to the collector who is selling the fuel, a copy of the single exemption certificate; and
 - (b) return the statement of clear fuel receipts and deliveries in Form 22 within the time specified by the Minister in the statement. O. Reg. 267/84, s. 1.

2. The said Regulation is amended by adding thereto the following forms:

Form 20

Fuel Tax Act, 1981

Application for a Single Exemption Certificate

Legal Name		Certificate No.
Mailing Address		Postal Code
Name of Person to Contact		Telephone
Name of Collector/Supplier	Terms of Purchase <input type="checkbox"/> F.O.B. Supplier's Dye-point <input type="checkbox"/> F.O.B. Customer's Dye-point	
Name of Collector/Customer	Terms of Sale <input type="checkbox"/> F.O.B. Supplier's Dye-point <input type="checkbox"/> F.O.B. Customer's Dye-point	

Particulars of untaxed clear fuel receipts and deliveries

Receipts from Collector/Supplier			Deliveries to Collector/Customer			Transported by			
Dye-point Location	Date	Quantity (Litres)	Dye-point Location	Date	Quantity (Litres)	Truck	Ship	Pipeline	Railway
Total Quantity			Total Quantity						

VERIFICATION			
All the information given in this application and in every document submitted in support thereof is true, correct and complete in every detail.			
Name (Type or Print)	Title	Signature	Date

O. Reg. 267/84, s. 2, part.

Form 21

Fuel Tax Act, 1981

Single Exemption Certificate

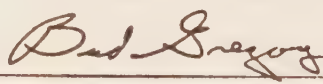
Commencing on the date indicated, the holder of this certificate is authorized to acquire from
a quantity not to exceed..... litres, in aggregate, of untaxed clear fuel which may be supplied in whole or in part from
.....
subject to the conditions listed on the reverse side of this certificate.

Legal Name and Address

Certificate No.

Effective Date

Expiry Date


Bud Gregory Minister of Revenue

O. Reg. 267/84, s. 2, part.

Form 22

Fuel Tax Act, 1981

Statement of Clear Fuel Receipts
and Deliveries

Legal Name		Certificate No.
Mailing Address		Postal Code
Name of Person to Contact		Telephone
Name of Collector/Supplier	Terms of Purchase <input type="checkbox"/> F.O.B. Supplier's Dye-point <input type="checkbox"/> F.O.B. Customer's Dye-point	
Name of Collector/Customer	Terms of Sale <input type="checkbox"/> F.O.B. Supplier's Dye-point <input checked="" type="checkbox"/> F.O.B. Customer's Dye-point	

Particulars of untaxed clear fuel receipts and deliveries (attach additional sheet if space is insufficient)

Receipts from Collector/Supplier				Deliveries to Collector/Customer				Transported by			
Dye-point Location	Date	Invoice No.	Quantity (Litres)	Dye-point Location	Date	Invoice No.	Quantity (Litres)	Truck	Ship	Pipeline	Railway
Quantity Received				Quantity Delivered							
Quantity Authorized				Quantity Authorized							
Difference				Difference							

VERIFICATION			
The financial and other statements of information included herein or attached hereto are in agreement with the books of the certificate holder and exhibit truly, correctly and completely all information for the period covered by this statement.			
Name (Type or Print)	Title	Signature	Date

O. Reg. 267/84, s. 2, part.

3. This Regulation shall be deemed to have come into force on the 1st day of November, 1983.

BUD GREGORY
Minister of Revenue

Dated at Toronto, this 9th day of April, 1984.

(4646)

19

PLANNING ACT, 1983

O. Reg. 268/84.
Restricted Areas—District of Algoma,
Sault Ste. Marie North Planning Area.
Made—April 27th, 1984.
Filed—April 27th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 279/80
MADE UNDER THE
PLANNING ACT, 1983

1. Ontario Regulation 279/80 is amended by adding thereto the following section:

80.—(1) Notwithstanding that the land described in subsection (2) is shown on a map referred to in clause 4 (b) as being in an Urban Residential Zone, the garage existing on the land on the 20th day of March, 1984 may be used for electrical and related mechanical repairs to automobiles, provided that no goods or materials are stored outside.

(2) Subsection (1) applies to that parcel of land situate in the geographic Township of Fenwick in the Territorial District of Algoma, being that part of the northeast quarter of Section 12, more particularly described as that part of Lot 139 of a Registrar's Compiled Plan registered in the Land Registry Office for the Registry Division of Algoma (No. 1) as Number H-807 designated as Part 1 on a Plan deposited in the said Land Registry Office as Number 1R-4316.
O. Reg. 268/84, s. 1.

L. J. FINCHAM
Director
Plans Administration Branch
North and East
Ministry of Municipal Affairs
and Housing

Dated at Toronto, this 27th day of April, 1984.

(4647)

19

PLANNING ACT, 1983

O. Reg. 269/84.
Restricted Areas—District of Algoma,
Sault Ste. Marie North Planning Area.
Made—April 24th, 1984.
Filed—April 27th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 279/80
MADE UNDER THE
PLANNING ACT, 1983

1. Ontario Regulation 279/80 is amended by adding thereto the following section:

81.—(1) Notwithstanding that the land described in subsection (2) is shown on a map referred to in clause 4 (b) as being in a Resort Commercial Zone, the land shall be deemed to be in a General Commercial Zone to which Part VI applies.

(2) Subsection (1) applies to that parcel of land situate in the geographic Township of Aweres in the Territorial District of Algoma, being that part of the northeast quarter of Section 20, more particularly described as Part 1 on a Plan deposited in the Land Registry Office for the Land Titles Division of Algoma (No. 1) as Number 1R-5768. O. Reg. 269/84, s. 1.

L. J. FINCHAM
Director
Plans Administration Branch
North and East
Ministry of Municipal Affairs
and Housing

Dated at Toronto, this 24th day of April, 1984.

(4648)

19

MILK ACT

O. Reg. 270/84.

Marketing of Milk to Fluid

Milk Processors.

Made—April 25th, 1984.

Filed—April 27th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 541/81
MADE UNDER THE
MILK ACT

1. Subsection 15 (10) of Ontario Regulation 541/81, as remade by section 1 of Ontario Regulation 59/84, is revoked and the following substituted therefor:

(10) All Class 5a milk supplied to a processor shall be sold by the marketing board and bought by the processor for not less than a minimum price of \$37.93 per hectolitre for milk containing 3.6 kilograms of milk-fat per hectolitre. O. Reg. 270/84, s. 1.

2. This Regulation comes into force on the 1st day of May, 1984.

THE ONTARIO MILK MARKETING BOARD:

KENNETH MCKINNON
Chairman

H. PARKER
Secretary

Dated at Mississauga, this 25th day of April, 1984.

(4649)

19

MILK ACT

O. Reg. 271/84.

Marketing of Milk to Fluid

Milk Processors.

Made—March 30th, 1984.

Filed—April 27th, 1984.

REGULATION TO AMEND
ONTARIO REGULATION 541/81
MADE UNDER THE
MILK ACT

1. Subsection 15 (1a) of Ontario Regulation 541/81, as remade by section 1 of Ontario Regulation 105/84, is revoked and the following substituted therefor:

(1a) All Class 1 milk supplied to a processor and distributed by him in those parts of Ontario com-

prising the Northwestern Ontario Pool shall be sold by the marketing board and bought by the processor for not less than a minimum price of \$52.77 per hectolitre for milk containing 3.6 kilograms of milk-fat per hectolitre. O. Reg. 271/84, s. 1.

2. This Regulation comes into force on the 1st day of May, 1984.

THE ONTARIO MILK MARKETING BOARD:

KENNETH MCKINNON
Chairman

H. PARKER
Secretary

Dated at Mississauga, this 30th day of March, 1984.

(4650)

19

MILK ACT

O. Reg. 272/84.

Industrial Milk—Marketing.

Made—April 25th, 1984.

Filed—April 27th, 1984.

REGULATION TO AMEND
REGULATION 623 OF
REVISED REGULATIONS OF ONTARIO, 1980
MADE UNDER THE
MILK ACT

1. Subsection 13 (6) of Regulation 623 of Revised Regulations of Ontario, 1980, as remade by section 1 of Ontario Regulation 60/84, is revoked and the following substituted therefor:

(6) All Class 5a milk supplied to a processor shall be sold by the marketing board and bought by the processor for not less than a minimum price of \$37.93 per hectolitre for milk containing 3.6 kilograms of milk-fat per hectolitre. O. Reg. 272/84, s. 1.

2. This Regulation comes into force on the 1st day of May, 1984.

THE ONTARIO MILK MARKETING BOARD:

KENNETH MCKINNON
Chairman

H. PARKER
Secretary

Dated at Mississauga, this 25th day of April, 1984.

(4651)

19

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NOTICE TO SHERIFFS AND TREASURERS

Re Advertising Sale of Lands for Taxes in "The Ontario Gazette", Year 1984

Section 563 of The Municipal Act provides:

563. **The day of the sale** shall be **more** than ninety-one days after the first publication of the list in THE ONTARIO GAZETTE.

During year 1984 the dates for publication of tax sales advertisements in THE ONTARIO GAZETTE are as follows:

January 7th,	Issue No. 1	—Earliest Date Sale can be held—	April 8th,	1984
February 4th,	" " 6	" " " " " "	—May 6th,	"
March 3rd,	" " 10	" " " " " "	—June 3rd,	"
April 7th,	" " 14	" " " " " "	—July 8th,	"
May 5th,	" " 19	" " " " " "	—August 5th,	"
June 2nd,	" " 23	" " " " " "	—September 2nd,	"
July 7th,	" " 27	" " " " " "	—October 7th,	"
August 4th,	" " 32	" " " " " "	—November 4th,	"
September 1st,	" " 36	" " " " " "	—December 2nd,	"
October 6th,	" " 40	" " " " " "	—January 6th,	1985
November 3rd,	" " 45	" " " " " "	—February 3rd,	"
December 1st,	" " 49	" " " " " "	—March 3rd,	"

Advertisements of tax sales must be received at least **TWO WEEKS PRIOR TO THE DATE OF PUBLICATION IN THE ONTARIO GAZETTE.**

REGULATION MADE UNDER
THE OFFICIAL NOTICES PUBLICATION ACT

THE ONTARIO GAZETTE is published each Saturday and advertisements must be received before Thursday 4 p.m. 9 days before publication date to ensure inclusion in the next issue.

Advertisements should be typewritten or printed legibly, **separate from covering letter.** Number of insertions required must be stated and the names of any signing officers typewritten or printed.

Advertising Rate: \$8.30 per single-column 25mm.

The rates payable for copies of THE ONTARIO GAZETTE are,

by subscribers for a subscription of 52 weekly issues, \$49.60; and

by others for a single copy, \$1.10 Payable in advance.

Rates subject to change without notice.

Cheques should be made payable to THE TREASURER OF ONTARIO and forwarded to THE ONTARIO GAZETTE.

All correspondence should be addressed:

THE ONTARIO GAZETTE
5th Floor, 880 Bay Street, Toronto, Ontario M7A 1N8
Telephone 965-2238

Please notify the Gazette Office of any address changes.

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Ontario Assessment Instrument Pool—Physics Package II Senior Division	15.00
Ontario Assessment Instrument Pool—Physics Package III Senior Division	15.00
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Resource Centre Audio-Visual Catalogue	3.50
Ministry of Municipal Affairs & Housing Bulletin 50—Issues in Capital Decision-Making	1.00
Provincial Highways Traffic Volumes: King's Highways Secondary Highways Tertiary Roads 1982	5.00
Towards Community Planning for an Aging Society	5.00
Drinking & Driving: A Discussion of Counter Measures and Consequences	5.00
Responsible Trucking	8.00
Ontario Labour Relations Board Decisions May 83	5.25
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Working with Volunteer Boards A Facilitators Handbook	7.00
Ontario Law Reform Commission Report on Powers of Entry	3.00
Ontario Law Reform Commission Report on the Enforcement of Judgment Debts & Related Matters Part IV	6.00
Ontario Law Reform Commission Report on the Enforcement of Judgment Debts & Related Matters Part V	6.00
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